GW - 8

GENERAL CORRESPONDENCE

YEAR(S):

2007-1993

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

August 8, 2007

Mr. Glen Thompson
El Paso Natural Gas Company
3300 North "A" Building
Suite 200
Midland, Texas 79706

Re: **Discharge Permit GW-008**
El Paso Natural Gas Company
Monument Compressor Station
Lea County, New Mexico

Dear Mr. Thompson:

Pursuant to Water Quality Control Commission (WQCC) Regulations 20.6.2.3000 - 20.6.2.3114 NMAC, the Oil Conservation Division (OCD) hereby approves the discharge permit for the El Paso Natural Gas (EPNG) Company (owner/operator) Monument Compressor Station (GW-008) located in the NW/4 of Section 1, Township 30 South, Range 36 East, NMPM, Lea County, New Mexico, under the conditions specified in the enclosed **Attachment To The Discharge Permit**. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 30 working days of receipt of this letter including permit fees.**

Please be advised that approval of this permit does not relieve the owner/operator of responsibility should operations result in pollution of surface water, ground water or the environment. Nor does approval of the permit relieve the owner/operator of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If you have any questions, please contact Brad A. Jones of my staff at (505) 476-3487 or e-mail brad.a.jones@state.nm.us. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge permit review.

Sincerely,

Wayne Price
Environmental Bureau Chief

LWP/baj
Attachments-1
Cc: OCD District I Office, Hobbs

ATTACHMENT TO THE DISCHARGE PERMIT
EL PASO NATURAL GAS COMPANY, MONUMENT COMPRESSOR DISCHARGE PERMIT APPROVAL CONDITIONS
August 8, 2007

Please remit a check for $1700.00 made payable to Water Quality Management Fund:

Water Quality Management Fund
C/o: Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505

1. **Payment of Discharge Plan Fees:** All discharge permits are subject to WQCC Regulations. Every billable facility that submits a discharge permit application will be assessed a filing fee of $100.00, plus a renewal flat fee (*see* WQCC Regulation 20.6.2.3114 NMAC). The Oil Conservation Division ("OCD") has received the required $100.00 filing fee. However, the owner/operator still owes the required $1700.00 renewal permit fee for a gas compressor station greater than 1001 horsepower.

2. **Permit Expiration, Renewal Conditions and Penalties:** Pursuant to WQCC Regulation 20.6.2.3109.H.4 NMAC, this permit is valid for a period of five years. **The permit will expire on September 20, 2009** and an application for renewal should be submitted no later than 120 days before that expiration date. Pursuant to WQCC Regulation 20.6.2.3106.F NMAC, if a discharger submits a discharge permit renewal application at least 120 days before the discharge permit expires and is in compliance with the approved permit, then the existing discharge permit will not expire until the application for renewal has been approved or disapproved. ***Expired permits are a violation of the Water Quality Act {Chapter 74, Article 6, NMSA1978} and civil penalties may be assessed accordingly.***

3. **Permit Terms and Conditions:** Pursuant to WQCC Regulation 20.6.2.3104 NMAC, when a permit has been issued, the owner/operator must ensure that all discharges shall be consistent with the terms and conditions of the permit. In addition, all facilities shall abide by the applicable rules and regulations administered by the OCD pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-1 through 70-2-38.

4. **Owner/Operator Commitments:** The owner/operator shall abide by all commitments submitted in its May 21, 2004 discharge plan renewal application, including attachments and subsequent amendments and these conditions for approval. Permit applications that reference previously approved plans on file with the division shall be incorporated in this permit and the owner/operator shall abide by all previous commitments of such plans and these conditions for approval.

5. **Modifications:** WQCC Regulation 20.6.2.3107.C and 20.6.2.3109 NMAC addresses possible future modifications of a permit. The owner/operator (discharger) shall notify the OCD of any facility expansion, production increase or process modification that would result in any significant modification in the discharge of water contaminants. The Division Director may require a permit modification if any water quality standard specified at 20.6.2.3103 NMAC is being or will be exceeded, or if a toxic pollutant as defined in WQCC Regulation 20.6.2.7

NMAC is present in ground water at any place of withdrawal for present or reasonably foreseeable future use, or that the Water Quality Standards for Interstate and Intrastate streams as specified in 20.6.4 NMAC are being or may be violated in surface water in New Mexico.

6. **Waste Disposal and Storage:** The owner/operator shall dispose of all wastes at an OCD-approved facility. Only oil field RCRA-exempt wastes may be disposed of by injection in a Class II well. RCRA non-hazardous, non-exempt oil field wastes may be disposed of at an OCD-approved facility upon proper waste determination pursuant to 40 CFR Part 261. Any waste stream that is not listed in the discharge permit application must be approved by the OCD on a case-by-case basis.

A. **OCD Rule 712 Waste:** Pursuant to OCD Rule 712 (19.15.9.712 NMAC) disposal of certain non-domestic waste without notification to the OCD is allowed at NMED permitted solid waste facilities if the waste stream has been identified in the discharge permit and existing process knowledge of the waste stream does not change.

B. **Waste Storage:** The owner/operator shall store all waste in an impermeable bermed area, except waste generated during emergency response operations for up to 72 hours. All waste storage areas shall be identified in the discharge permit application. Any waste storage area not identified in the permit shall be approved on a case-by-case basis only. The owner/operator shall not store oil field waste on-site for more than 180 days unless approved by the OCD.

7. **Drum Storage:** The owner/operator must store all drums, including empty drums, containing materials other than fresh water on an impermeable pad with curbing. The owner/operator must store empty drums on their sides with the bungs in place and lined up on a horizontal plane. The owner/operator must store chemicals in other containers, such as tote tanks, sacks, or buckets on an impermeable pad with curbing.

8. **Process, Maintenance and Yard Areas:** The owner/operator shall either pave and curb or have some type of spill collection device incorporated into the design at all process, maintenance, and yard areas which show evidence that water contaminants from releases, leaks and spills have reached the ground surface.

9. **Above Ground Tanks:** The owner/operator shall ensure that all aboveground tanks have impermeable secondary containment (e.g., liners and berms), which will contain a volume of at least one-third greater than the total volume of the largest tank or all interconnected tanks. The owner/operator shall retrofit all existing tanks before discharge permit renewal. Tanks that contain fresh water or fluids that are gases at atmospheric temperature and pressure are exempt from this condition.

10. **Labeling:** The owner/operator shall clearly label all tanks, drums, and containers to identify their contents and other emergency notification information. The owner/operator may use a tank code numbering system, which is incorporated into their emergency response plans.

11. **Below-Grade Tanks/Sumps and Pits/Ponds.**

A. All below-grade tanks and sumps must be approved by the OCD prior to installation and must incorporate secondary containment with leak detection into the design. The

owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal. All existing below-grade tanks and sumps without secondary containment and leak detection must be tested annually or as specified herein. Systems that have secondary containment with leak detection shall have a monthly inspection of the leak detection system to determine if the primary containment is leaking. Small sumps or depressions in secondary containment systems used to facilitate fluid removal are exempt from these requirements if fluids are removed within 72 hours.

B. All pits and ponds, including modifications and retrofits, shall be designed by a certified registered professional engineer and approved by the OCD prior to installation. In general, all pits or ponds shall have approved hydrologic and geologic reports, location, foundation, liners, and secondary containment with leak detection, monitoring and closure plans. All pits or ponds shall be designed, constructed and operated so as to contain liquids and solids in a manner that will protect fresh water, public health, safety and the environment for the foreseeable future. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal.

C. The owner/operator shall ensure that all exposed pits, including lined pits and open top tanks (8 feet in diameter or larger) shall be fenced, screened, netted, or otherwise rendered non-hazardous to wildlife, including migratory birds.

D. The owner/operator shall maintain the results of tests and inspections at the facility covered by this discharge permit and available for OCD inspection. The owner/operator shall report the discovery of any system which is found to be leaking or has lost integrity to the OCD within 15 days. The owner/operator may propose various methods for testing such as pressure testing to 3 pounds per square inch greater than normal operating pressure and/or visual inspection of cleaned tanks and/or sumps, or other OCD-approved methods. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

12. Underground Process/Wastewater Lines:

A. The owner/operator shall test all underground process/wastewater pipelines at least once every five (5) years to demonstrate their mechanical integrity, except lines containing fresh water or fluids that are gases at atmospheric temperature and pressure. Pressure rated pipe shall be tested by pressuring up to one and one-half times the normal operating pressure, if possible, or for atmospheric drain systems, to 3 pounds per square inch greater than normal operating pressure, and pressure held for a minimum of 30 minutes with no more than a 1% loss/gain in pressure. The owner/operator may use other methods for testing if approved by the OCD.

B. The owner/operator shall maintain underground process and wastewater pipeline schematic diagrams or plans showing all drains, vents, risers, valves, underground piping, pipe type, rating, size, and approximate location. All new underground piping must be approved by the OCD prior to installation. The owner/operator shall report any leaks or loss of integrity to the OCD within 15 days of discovery. The owner/operator shall maintain the results of all tests at the facility covered by this discharge permit and they shall be available for OCD inspection. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

13. **Class V Wells:** The owner/operator shall close all Class V wells (e.g., septic systems, leach fields, dry wells, etc.) that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes unless it can be demonstrated that ground water will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD-regulated facilities that inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. Class V wells that inject domestic waste only, must be permitted by the New Mexico Environment Department (NMED).

14. **Housekeeping:** The owner/operator shall inspect all systems designed for spill collection/prevention and leak detection at least monthly to ensure proper operation and to prevent over topping or system failure. All spill collection and/or secondary containment devices shall be emptied of fluids within 72 hours of discovery. The owner/operator shall maintain all records at the facility and available for OCD inspection.

15. **Spill Reporting:** The owner/operator shall report all unauthorized discharges, spills, leaks and releases and conduct corrective action pursuant to WQCC Regulation 20.5.12.1203 NMAC and OCD Rule 116 (19.15.3.116 NMAC). The owner/operator shall notify both the OCD District Office and the Santa Fe Office within 24 hours and file a written report within 15 days.

16. **OCD Inspections:** The OCD may place additional requirements on the facility and modify the permit conditions based on OCD inspections.

17. **Storm Water:** The owner/operator shall implement and maintain run-on and runoff plans and controls. The owner/operator shall not discharge any water contaminant that exceeds the WQCC standards specified in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) including any oil sheen in any stormwater run-off. The owner/operator shall notify the OCD within 24 hours of discovery of any releases and shall take immediate corrective action(s) to stop the discharge.

18. **Unauthorized Discharges:** The owner/operator shall not allow or cause water pollution, discharge or release of any water contaminant that exceeds the WQCC standards listed in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) unless specifically listed in the permit application and approved herein. ***An unauthorized discharge is a violation of this permit.***

19. **Vadose Zone and Water Pollution:** The owner/operator shall address any contamination through the discharge permit process or pursuant to WQCC 20.6.2.4000-.4116 NMAC (Prevention and Abatement of Water Pollution). The OCD may require the owner/operator to modify its permit for investigation, remediation, abatement, and monitoring requirements for any vadose zone or water pollution. Failure to perform any required investigation, remediation, abatement and submit subsequent reports will be a violation of the permit.

20. **Additional Site Specific Conditions:** N/A

21. **Transfer of Discharge Permit (WQCC 20.6.2.3111)** Prior to any transfer of ownership, control, or possession (whether by lease, conveyance or otherwise) of a facility with a discharge permit, the transfer or shall notify the transferee in writing of the existence of the discharge

permit, and shall deliver or send by certified mail to the department a copy of such written notification, together with a certification or other proof that such notification has in fact been received by the transferee.
Upon receipt of such notification, the transferee shall have the duty to inquire into all of the provisions and requirements contained in such discharge permit, and the transferee shall be charged with notice of all such provisions and requirements as they appear of record in the department's file or files concerning such discharge permit. The transferee (new owner/operator) shall sign and return an original copy of these permit conditions and provide a written commitment to comply with the terms and conditions of the previously approved discharge permit.

22. Closure Plan and Financial Assurance: Pursuant to 20.6.2.3107 NMAC an owner/operator shall notify the OCD when any operations of the facility are to be discontinued for a period in excess of six months. Prior to closure, or as a condition of this permit, or request from the OCD, the operator will submit an approved closure plan, modified plan, and/or provide adequate financial assurance.

23. Certification: El Paso Natural Gas Company, (Owner/Operator), by the officer whose signature appears below, accepts this permit and agrees to comply with all submitted commitments, including these terms and conditions contained here. **Owner/Operator** further acknowledges that the OCD may, for good cause shown, as necessary to protect fresh water, public health, safety, and the environment, change the conditions and requirements of this permit administratively.

Conditions accepted by: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment."

_____
Company Name-print name above

_____
Company Representative- print name

_____
Company Representative- signature

Title_____

Date:_____

THE SANTA FE
NEW MEXICAN
Founded 1849

NM OIL CONSERVATION DIV.
1220 ST. FRANCIS DR
Attn: Ed Martin
SANTA FE NM 87505

ALTERNATE ACCOUNT: 56689
AD NUMBER: 00089513 ACCOUNT: 00002212
LEGAL NO: 75034 P.O. #: 05-199-050185

461 LINES 1 TIME(S)	315.04
AFFIDAVIT:	5.50
TAX:	21.44
TOTAL:	341.98

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, B. Perner, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 75034 a copy of which is hereto attached was published in said newspaper 1 day(s) between 10/06/2004 and 10/06/2004 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 6th day of October, 2004 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ B Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 6th day of October, 2004

Notary Laura E. Harding

Commission Expires: 11/23/07

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-049) - El Paso Natural Gas Co., Mr. Richard Duarte, 3801 Atrisco Blvd. NW, Albuquerque, NM 87120, has submitted a renewal application for their "A" Blanco Plant facility located in the NE/4 NE/4 of Section 23, Township 27 West, Range 13 North, NMPM, San Juan County, New Mexico. A small amount of engine wash-down water and storm water run-off is discharged to the City of Bloomfield publicly owned treatment works. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface varies in depth from 14 to 39 feet. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

(GW-317) - El Paso Field Services, David Bays, 614 Reilly Ave., Farmington, NM 87401, has submitted a renewal application for the Rattlesnake Canyon Gas Plant, located in the NE/4 of Section 16, Township 32 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 375 barrels per month of produced water with a dissolved solids concentration ranging from 10,000 to 15,000 mg/L is collected in closed steel tanks prior to transport to an OCD-approved disposal facility. Approximately10 barrels per year of wastewater from equipment washdown are collected in a double-walled underground sump prior to transport to an OCD-approved disposal facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 75 feet with a total dissolved solids concentration ranging from 48 mg/L to 52 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-049-2) - El Paso Field Services, David Bays, 614 Reilly Ave., Farmington, NM 87401, has submitted a discharge permit application for the Blanco C and D Compressor Station, located in the N/2 N/2 of Section 14, Township 29 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 9,500 barrels per month of crude oil and natural gas condensate are collected in closed-top steel tanks until sale to the Giant Refinery near Bloomfield, NM. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 15 to 40 feet. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-182) - Williams Field Services, Michael K. Lane, (505) 632-4625, 188 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Navajo CDP Compressor Station located in the NE/4 NW/4 of Section 2, Township 30 North, Range 8 West, NMPM, San Juan County, New Mexico. After oil/water separation, approximately 42 gallons per day of process waste water with a total dissolved solids concentration in excess of 2000 mg/l is stored in an above ground, closed-top steel tank prior to transport to an OCD approved off-site disposal facility. Ground water most likely to be affected in the event of an accidental discharge is at a depth of 20 feet with a total dissolved solids concentration of approximately 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-047) - Williams Field Services, Mark K. Lane, (505) 632-4625, 188 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Lybrook Natural Gas Processing Plant located in the N/2 NW/4 of Section 14, Township 23 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. After oil/water separation, approximately 3000 gallons per day of process wastewater with a total dissolved solids concentration of approximately 7500 mg/l is disposed of in clay lined evaporation ponds. Ground water most likely to be affected in the event of an accidental discharge is at a depth ranging from 180 to 200 feet with a total dissolved solids concentration of approximately 700 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-161) - Williams Production Company, LLC (formerly J. M. Huber Corporation), 999 Goddard Avenue, Ignacio, Colorado 81137 has submitted a renewal application for their ROSA COMPRESSOR STATION located in the SW/4 SE/4 of Section 26, Township 31 North, Range 4 West, Rio Arriba County, New Mexico. Approximately 9 gallons per day of wastewater with a dissolved solids concentration of 1,500 mg/l is collected in a 400 barrel closed fiberglass tank prior to transport off-site to an OCD approved disposal facility. Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth greater than 20 feet with a total dissolved solids concentration ranging from 2000 mg/l to 10000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-008) - El Paso Natural Gas, Robert H. St. John, 3300 North "A" Building Two, Suite 200, Midland, TX 79705, has submitted a discharge permit renewal application for the Monument Compressor Station, located in the NW/4 of Section 1, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico. Approximately 9,600 gallons per day of processed wastewater with total dissolved solids concentration of 3,500 mg/L is stored in steel tanks prior to transport for disposal in an OCD-approved Class II injection well. Groundwater most likely to be affected in the event of an accidental discharge at the surface is at a depth of approximately 35 feet with a total dissolved solids concentration of approximately 500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-144) - Duke Energy Field Services, LP, Mr. Greg Kardos, (505) 628-0282, 3300 N. A Street, Building 7, Midland, Texas 79705, has submitted a discharge renewal application for the West (a.k.a. Westall) Compressor Station located in the SW/4 NW/4 of Section 35, Township 22 South, Range 28 East, NMPM, Eddy County, New Mexico. Duke Energy Field Services, LP certifies that no liquid or solid wastes generated on site are discharged so that they may move directly or indirectly into fresh waters. Any liquid wastes are collected and stored in containers prior to transport offsite to an OCD approved disposal facility. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 16 feet with a total dissolved solids concentration of approximately 7.843 mg/l. The discharge permit addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-048) - Davis Gas Processing Company, Donald K. Judd, Agent, (432) 682-6311, 211 North Colorado Street, Midland, Texas 79701-4696, has submitted a discharge renewal application for the Denton Gas Plant located in the SE/4 of Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 750 gallons per day of process waste water with a total dissolved solids concentration of approximately 2000 mg/l will be collected and stored on site in closed storage tanks prior to disposal in an OCD approved contract injection Class II well. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 40 feet with a total dissolved solids concentration ranging from 610 to 1600 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 30th day of September 2004.

STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION

SEAL

JOANNA PRUKOP,
Acting Director
Legal #75034
Pub. October 6, 2004

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-008) - El Paso Natural Gas, Robert H. St. John, 3300 North "A" Building Two, Suite 200, Midland, TX 79705, has submitted a discharge permit renewal application for the Monument Compressor Station, located in the NW/4 of Section 1, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico. Approximately 9,600 gallons per day of processed wastewater with total dissolved solids concentration of 3,500 mg/L is stored in steel tanks prior to transport for disposal in an OCD-approved Class II injection well. Groundwater most likely to be affected in the event of an accidental discharge at the surface is at a depth of approximately 35 feet with a total dissolved solids concentration of approximately 500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held.
A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 30th day of September 2004.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

Mark E. Fesmire, P.E., Director

elpaso Natural Gas

May 21, 2004

Mr. Ed Martin **via UPS 1Z 6R4 V49 13 4028 9453**
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Discharge Plan Renewal
El Paso Natural Gas
Monument Compressor Station (GW-008)
Lea County, New Mexico

Dear Mr. Martin:

Enclosed are two copies the Discharge Plan Renewal (GW-008) for the above-referenced facility. The original discharge plan was approved by the New Mexico Oil Conservation Division in October 1983, with subsequent renewals in 1988, 1993 and 1998. Changes to this document from the most recently approved Discharge Plan (1998) include new contact information, updated chemical inventory and the submittal of the drain line testing completed in 2000, 2001, and 2002.

A check in the amount of $100.00 for the application filing fee was submitted on May 14, 2004. If you have any questions, please contact me at (432) 686-3268.

Sincerely,
El Paso Natural Gas

Robert H. St. John
Principal Environmental Scientist

Cc: Mike Stubblefield – NMOCD, Artesia
Kenneth Morrow – Plains Area Manager, EPNG
Sandra Miller – Manager, Pipelines West Environmental Department

El Paso Natural Gas
3300 North "A" Building Two Suite 200 Midland, Texas 79705

elpaso Natural Gas

MONUMENT GAS COMPRESSOR STATION

DISCHARGE PLAN, GW - 008

EL PASO NATURAL GAS COMPANY

Prepared for:

New Mexico Oil Conservation Division

May 2004

El Paso Natural Gas Company
3300 North A Street
Building 2, Suite 200
Midland, Texas 79705

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised June 10, 2003

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS, REFINERIES, COMPRESSOR, GEOTHERMAL FACILITES AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New **X Renewal** **X Modification**

1. Type: Monument Compressor Station
2. Operator: El Paso Natural Gas Company

   Address: 3506 West County Road, Hobbs, New Mexico 88240

   Contact Person: Kenneth Morrow Phone: 505-492-2380
3. Location: /4 /4 Section 1 Township 20S Range 36E
   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Kenneth. L. Morrow Title: Plains Area Manager

Signature: Kenneth L Morrow Date: 5-17-04

E-mail Address: Kenneth.morrow@elpaso.com

MONUMENT GAS COMPRESSOR STATION

DISCHARGE PLAN, GW - 008

EL PASO NATURAL GAS COMPANY

Prepared for:

New Mexico Oil Conservation Division

May 2004

El Paso Natural Gas Company
3300 North A Street
Building 2, Suite 200
Midland, Texas 79705

TABLE OF CONTENTS

MONUMENT GAS COMPRESSOR STATION

DISCHARGE PLAN

This Discharge Plan has been prepared in accordance with the New Mexico Oil Conservation Division (NMOCD) "Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Processing Plants."

1.0 GENERAL INFORMATION

1.1 NAME OF DISCHARGER OR LEGALLY RESPONSIBLE PARTY:

El Paso Natural Gas Company
2 North Nevada
Colorado Springs, Colorado 80903
(719) 520-4350

Attention:
Sandra Miller
Manager, Pipelines West Environmental Department
(719) 520-4350

1.2 NAME OF LOCAL REPRESENTATIVE OR CONTACT PERSON:

El Paso Natural Gas Company
Plains Operating Area
3506 West County Road
Hobbs, New Mexico 88240

Attention:
Kenneth Morrow
Area Manager
(505) 492-2380

1.3 LOCATION OF DISCHARGE

The Monument Gas Compressor Station is located in Section 1, Township 20 South, Range 36 East, Lea County, New Mexico or, approximately 3,.5 miles southwest of Monument, New Mexico, and two miles west of State Highway No. 8. Appendix 1 is a copy of an aerial photograph of Monument Station. This drawing shows a camp housing complex that has been retired and was removed from the site in 1986.

1.4 LOCAL LAND USE

The Monument Gas Compressor Station occupies approximately 94 acres. Information regarding land ownership is contained in Figure 3, pp. 5 and 6, of the 1983 Discharge Plan. EPNG incorporates this information by reference.

1.5 TYPE OF OPERATION

El Paso Natural Gas Company's Monument Compressor Station is engaged in the compression of natural gas.

The Monument Compressor Station natural gas compression facilities consist of seven internal combustion engine compressor drives that total 10,500 horsepower have the capability of handling a design gas capacity of 102 million cubic feet of gas per day.

Entrained liquids are removed from the gas stream prior to compression by a horizontal gas-liquid scrubber. The primary purpose of the scrubber is to remove small quantities of liquids from the gas stream prior to entering the mainline transportation system. The compressed gas passes through cooling coils in a mechanical draft cooling tower.

1.6 AFFIRMATION

I hereby certify that I am familiar with the information contained in and submitted with this application for the Monument Gas Compressor Plant Discharge Plan, and that such information is true, accurate, and complete to the best of my knowledge and belief.

Kenneth L Morrow — 5-17-04

Signature — Date

Kenneth L. Morrow
Area Manager – Plains Operating Area

2.0 PLANT PROCESSES

2.1 SOURCES AND QUANTITIES OF EFFLUENT

Presently, the Monument Station receives all raw and treated water from the Eunice Station water supply system that is approximately 5 miles north of Monument. This water comes from nine water wells owned by EPNG and operated by GPM. The water is pumped into a 10,000 barrel aboveground holding tank located approximately five miles north of Monument Plant. Well #1 is located in NE¼, NE¼, SE¼, Section 13, Township 19-S, Range 36-E, Lea County, New Mexico. It was drilled in 1942 to a depth of 102 feet but later was abandoned. Rather than being plugged, it was instead authorized for use by the State Engineer in 1949 as a return well for the return of untreated groundwater overflow from the 10,000 barrel tank.

Monument Station discharges commingled wastewater into a wastewater classifier. This wastewater from the classifier is delivered into the Rice Engineering Disposal System. EPNG proposes to continue to discharge the Monument Station wastewater into the Rice Engineering Disposal System.

2.1.1 Gas-Liquid Scrubber

The inlet mainline gas is treated by scrubber units that discharges negligible amounts of wastewater. The excess gas and wastewater is separated in a fiberglass reinforced plastic (FRP) classifier unit installed in 1982. As mentioned above, the wastewater from the classifier is discharged to the Rice Engineering Disposal System.

2.1.2 Cooling Tower Blowdown

Evaporative cooling tower water is used to cool compressed pipeline gas for transmission. Cooling tower water is recycled as much as possible, but some is blown down and replaced to prevent total dissolved solids (TDS) buildup. The Plant cooling tower blowdown is approximately 10,000 gallons per day, or 8 gallons per minute. The Blow down water is then discharged directly into the Rice Engineering Disposal System line.

2.1.3 Domestic Sewage

The domestic wastewater discharges approximately 100 gpd from the office into a 1,050 gallon capacity concrete septic tank. The effluent is discharged by gravity flow to an internally and externally epoxy-coated steel tank type classifier. The 1983 Discharge Plan illustrates the wastewater producing processes and is incorporated by reference.

2.1.4 Building Floor Drains

Wastewater from the building floor drains is discharged directly to the FRP classifier. The flow is minimal since it consists of wastewater produced by the washing of building floors.

2.1.5 Storm Water

Storm water runoff flows south to southwest from the Station. Most precipitation soaks into the soil or evaporates. Open drains are located in the concrete secondary containment berm areas for the sulfuric acid tank and barrel rack. The drains are gravity fed to the Rice Engineering Disposal System Line. The amount of storm water run-off entering the system is negligible and will not appreciably change the volume of discharge.

2.2 QUALITY CHARACTERISTICS

EPNG has entered into an agreement with the Rice Engineering Disposal System to tie into the system in Section 5, Township 21 South, Range 35 East, Lea County, NM for disposing of approximately 10,000 gallons per day of waste water, the main source being cooling tower blowdown. A copy of the most recent laboratory results are included in Appendix 2.

3.0 TRANSFER AND STORAGE OF PROCESS FLUIDS AND EFFLUENTS

The industrial wastewater at Monument Station includes cooling tower blowdown, scrubber blowdown, domestic wastewater and wastewater from floor drains. These wastewater streams drain to a 500 barrel (2,000 gallon) FRP classifier tank for separation of oil from water. Oils is sent to a 125 barrel (500 gallon) FRP underground tank adjacent to the classifier. The water is collected in the classifier tank. A float level controller monitors the water level and activates one of two pumps (or both) when the water level reaches a pre-determined level. The wastewater is then pumped to an injection well belonging to Rice Engineering. A large contingency tank that received all overflows and emergency draining from the classifier was removed in January 2000. A figure of the transfer and storage process is in Appendix 1.

Oil collected in 125 barrel FRP tank is recycled by E&E Environmental of Lubbock, Texas.

4.0 SPILL/LEAK PREVENTION AND HOUSEKEEPING PRACTICES

4.1 SPILL/LEAK PREVENTION PROCEDURES

The Monument Station is operated in a manner to prevent and mitigate any release to the environment. Facility processes and storage tanks are regularly observed by a number of personnel during daily operations. Any evidence or sign of spills or leaks are routinely reported to supervisory personnel so that repairs or cleanup can be promptly completed. Routine maintenance procedures conducted

at the facility also help to ensure that equipment remains functional and minimizes the possibility of spills or leaks.

Process and non-process chemicals or additives used at the Station could present a threat to the environment only in the event of a major spill or release. The majority of the chemicals are used in very small quantities; 25 gallons to 8,000 gallons per year. Hence, any spills or leaks would be very small in volume and easily contained in the immediate area. A list of chemicals used at the Station and their respective Material Data Safety Sheets are provided in Appendix 3.

Cleanup procedures would vary with the nature and extent of any unplanned release. Spills of acids are relatively easy to control and general procedures would include neutralization of the material in place before a final evaluation is made on its ultimate disposal. Once neutralization is confirmed by sampling and pH determination, it is quite probable that no further actions would be required to ensure protection of human health and the environment.

Spills or leaks of hydrocarbons could potentially occur from the lube oil storage tanks. The lube oil is stored in two 9,000 gallon aboveground horizontal tanks. A leak in this tank would be contained in the bermed area surrounding the tank.

4.2 GENERAL HOUSEKEEPING PROCEDURES

EPNG strives to reduce the potential for spills and leaks in all areas. Non-process chemicals are used in relatively small quantities at the Station and are managed in a manner to prevent discharges to the environment. Any chemical spills which might occur would be immediately contained and disposed of according to proper guidelines.

5.0 EFFLUENT AND SOLID WASTE DISPOSAL

As mentioned in Section 3.0, EPNG disposes of all industrial aqueous wastes in an on-site FRP classifier. The figure in Appendix 1 illustrates the piping associated with the influents to the classifier tank.

Industrial and domestic wastewater generated at the Station are delivered into the Rice Engineering Disposal System, Eunice Branch. EPNG began delivering wastewater to the Rice Engineering system on October 26, 1982 Oil that is separated from the water is piped to a 500 gallon underground tank. The oil is picked up and recycled by E&E Environmental of Lubbock, Texas.

Industrial solid waste is comprised of used oil filters, scrap metal, Station refuse, and empty drums. Used oil, hydrocarbons from the scrubber blowdown, and very small amounts of spent cleaning solvent are collected in the holding tank located in the oil/water separator site. Used oil filters are collected, drained in a drum, and sent to an off-site location for incineration. Scrap metal is stockpiled in a container near the shop area and is disposed of by approved scrap metal vendors. Empty containers and drums are

periodically returned to the warehouse or to the vendors directly for proper disposal. The Station refuse is disposed of in dumpsters in the Station yard and periodically picked up by a private contractor and taken to the Hobbs Landfill.

Domestic waste consists of septic tank solids and plant garbage. The Station garbage is placed into dumpsters and collected periodically by a private contractor. The septic tanks are cleaned out by a private contractor on an as-needed basis. The solids are disposed of by the contractor in an accepted manner.

6.0 SITE CHARACTERISTICS

Information relative to the hydrology and geology of the site was submitted to the NMOCD in EPNG's original 1983 Discharge Plan application. EPNG incorporates this information by reference.

7.0 MONITORING AND REPORTING

Verbal and written notification of leaks or spills will be made to the NMOCD in accordance with NMOCD Rule 116. Any reportable release of materials regulated by the Code of Federal Regulations, Title 40, Parts 300 and 372 will be reported to the National Response Center, and to the NMED where applicable.

The underground drain line system will be tested every five years prior to renewal of the discharge plan, in accordance with the drain line testing procedures submitted in the 1983 Discharge Plan. Appendix 4 contains the test results for 2000, 2001 and 2002.

CLASS LOCATION DATA

LINE NO	O.D.	LINE DESIGNATION	BEGIN	END	CL LOC	METER NO	LINE NO	O.D.	LINE DESIGNATION	BEGIN	END	CL LOC	METER NO	LINE NO	O.D.	LINE DESIGNATION	BEGIN	END	CL LOC	METER NO

REVISIONS

NO.	DATE	BY	DESCRIPTION
A	3-5-79	LMD	Added Notes & Dwelling Units
B	10-3-80	LFD	Added X-Over Line (3051)
C	2-5-85	TCB	Misc. Revisions
D	1-27-87	GG	Removed Cl. 2 Loc. & Camp Housing
E	8-7-91	AG	Redrawn Per 1988 Photography & Misc. Revisions

ENGINEERING RECORD

DRAWN BY	Aero - Graphics
TRACED BY	
CHECKED BY	Aero - Graphics
APPROVED	
DATE	10-16-78
PHOTO DATE	5-5-88

0 100 200 300
SCALE IN FEET

El Paso Natural Gas Company
ENGINEERING DRAFTING DIVISION

D. O. T. CLASS LOCATION
N1/2 MONUMENT PLANT

SECTION 1, TWS 20-S, RANGE 36-E
LEA COUNTY, NEW MEXICO

DWG. NO. 5007.14-1 SHEET 1 OF 2 REV. E


AREA LIMIT W-0+30'-0" FOR CONT. SEE IMO-1-P15
TRUCK LOADING
6" TREATED WATER
6" RAW WATER
2" STARTING AIR (DEAD)
2" INSTR. AIR
2" INSTR. AIR TO TRT. PLT.
DOUBLE BELL COUPLING PVC TO STEEL PIPE
AREA LIMIT S-3+32'-0" FOR CONT. SEE IMO-1-P15
8" RICE ENGR. EME DISPOSAL LINE (A.C. TRANSITE) S-3+42'-0"
OIL STORAGE TANK S-3+53'-0"
CLASSIFIER S-3+75'-0"
S-3+98'-4½"
S-4+00
S-4+21'-0" FOR CONT. SEE IMO-1-P15
AREA LIMIT
W-1+00
4" OIL
4" BACKWASH TO CLASSIFIER
4" FM. TRUCK LOADING
4" TO TRUCK LOADING
FIN. GRADE EL. 100'-0"
W-1+08'-0"
8'-0" DIA. x 14'-0" S/S OIL STORAGE V-2102
10'-0" DIA. x 14'-0" S/S CLASSIFIER TK. V-2101
PUMP P-2104
PUMP P-2103
6" RAW WATER TO B.W. PUMP
4" BACKWASH TO CLASSIFIER
4" FM. CLASSIFIER
¾" INSTR. AIR
(PVC) 6" L.P. DRAIN (INLET)
4" DRAIN FM. H.P. BLOW DN. SCRB.
6" OVER-FLOW TO POND
2" BY-PASS
MATCH LINE W-1+20'-0" FOR CONT. SEE IMO-1-P18
FOR CONT. SEE IMO-1-P20
W-3+68'-0"

DWG. NO.	TITLE
IMO-1-P15	DRAIN LINE CLASS.-AREA-PLAN
IMO-1-P17	CLASS., OIL STG., - ELEVATIONS

REFERENCE DRAWINGS

NO.	DATE	BY	DESCRIPTION	W.O.	APP.
A	18-30-82	LG	ADD 6" BY PASS		

REVISIONS

PRINT RECORD

LEGEND

ENG. RECORD		DATE
DRAWN	LG	11-30-81
CHECKED		
CHECKED		
PROJ. APP.	BWM	4-2-82
DESIGN APP.		

El Paso NATURAL GAS COMPANY

MONUMENT + PLANT DISPOSAL SYSTEM

CLASSIFIER, OIL STORAGE & TRUCK LOADING — PIPING PLAN —

SCALE: ⅜"=1'-0" W.O. K-4276 DWG. NO. IMO-1-P16 REV. A

(MID)

FORM 7-337R (REV. 6-76)

elpaso

LABORATORY SERVICE REPORT

REQUESTOR:	Morrow, Kenny	**REPORT DATE:**	10/29/2003
		REQUEST NO:	2003101245
		APPROVED BY:	Darrell Campbell
DISTRIBUTION:	Havenman, Bill; St. John, Robert; Whitney, Mark		
PERFORMED BY:	Accutest		

Request Description:	Used oil (Monument).
Date Received:	10/9/2003
Date Completed:	10/21/2003

Sample No: 1 Lab ID: 48852 Sampled By: Mark Whitney Sample Date: 10/8/2003 10:00:00 A

Description:	
Analysis:	WP Used Oil Tank
Purpose:	Disposal/Environmental Concerns
Matrix:	Oil
Location:	EPNG - Midland - Plains - Monument Station - 0+0 - Monument plant - Used oil

Sample No: 2 Lab ID: 48853 Sampled By: Mark Whitney Sample Date: 10/8/2003 10:15:00 A

Description:	
Analysis:	WP Used Oil Tank (Aqueous)
Purpose:	Disposal/Environmental Concerns
Matrix:	Water
Location:	EPNG - Midland - Plains - Monument Station - 0+0 - Monument plant - Used oil

Data: See attached sheet(s).

Comments:

ORIGINAL

Request: 2003101245

Sample:		1
Ignitability		
Flash Point	°F	150
Halogens		
Total Organic Halogens	mg/Kg	< 50
TCLP Metals		
Arsenic	mg/l	< 0.50
Barium	mg/l	< 1.0
Cadmium	mg/l	< 0.0050
Chromium	mg/l	< 0.010
Lead	mg/l	< 0.50
Mercury	mg/l	< 0.0013
Selenium	mg/l	< 0.50
Silver	mg/l	< 0.010
Total Metals		
Arsenic	mg/Kg	5.1
Cadmium	mg/Kg	< 0.23
Lead	mg/Kg	10.7
Chromium	mg/Kg	33.0
PCB Analysis		
Aroclor 1016	mg/Kg	< 4.9
Aroclor 1221	mg/Kg	< 4.9
Aroclor 1232	mg/Kg	< 4.9
Aroclor 1242	mg/Kg	< 4.9
Aroclor 1248	mg/Kg	< 4.9
Aroclor 1254	mg/Kg	8.12
Aroclor 1260	mg/Kg	< 4.9

Request: 2003101245

Sample:		2
Ignitability		
Flash Point	°F	> 210
Halogens		
Total Organic Halogens	mg/l	< 0.200
TCLP Metals		
Arsenic	mg/l	< 0.50
Barium	mg/l	< 1.0
Cadmium	mg/l	0.0059
Chromium	mg/l	< 0.010
Lead	mg/l	< 0.50
Mercury	mg/l	< 0.00020
Selenium	mg/l	< 0.50
Silver	mg/l	< 0.010
Total Metals		
Arsenic	mg/l	0.0208
Cadmium	mg/l	0.0183
Lead	mg/l	< 0.003
Chromium	mg/l	< 0.010
PCB Analysis		
Aroclor 1016	µg/l	< 0.50
Aroclor 1221	µg/l	< 0.50
Aroclor 1232	µg/l	< 0.50
Aroclor 1242	µg/l	< 0.50
Aroclor 1248	µg/l	< 0.50
Aroclor 1254	µg/l	< 0.50
Aroclor 1260	µg/l	< 0.50

3

MONUMENT GAS COMPRESSION STATION
PLANT CHEMICAL INVENTORY

Chemical Name	Manufacturer	Storage Area	Maximum Quantity
Toxene 47	Continental Products	N. side engine room	50 gal.
Pegasus Oil 701	Mobil Oil Co.	Storage tank	18,000 gal.
Tribol Oil 890	Imperial Oil & Grease	Storage area	55 gal.
Sulfuric acid	Univar USA	Storage tank	350 gal.
Unleaded gasoline	ExxonMobil.	Storage tank	260 gal
Diesel	Chevron	Barrel rack	55 gal.
Exxol D-80	Exxon Oil Co.	Storage tank	40 gal.
Mean Green Degr.	American Chemical	Shop area	50 gal.
Antipol 310	Continental Products	Barrel rack	300 gal.
Corrate 28AD	Continental Products	Barrel rack	110 gal
Lube oil	Mobil	Barrel rack	110 gal.
RNB 70131	Unichem Industrial	Condensate Tank	55 gal.
Unichem 7156	Unichem Industrial	South side of plant	110 gal.
Sodium Hypochlorite	Continental Products	Barrel rack	350 gall.
Tellus Oil 68	Shell	Barrel rack	55 gal.

MATERIAL SAFETY DATA SHEET

CONTINENTAL PRODUCTS OF TEXAS
100 Industrial Avenue Odessa, Texas 79760
PHONE: (915) 337-4681

LAST REVISION DATE: 5-15-92 CURRENT REVISION DATE: 4-19-93
CHEMTREC EMERGENCY PHONE: 1-800-424-9300 APPROVAL: JMW

IDENTIFICATION

PRODUCT NAME : TOXSENE 47 EPA PRODUCT REGISTRAT. NO.: 31910-2-12471
EPA ESTABLISHMENT NO.: 14805-TX-1

TSCA INVENTORY/CAS. NO.: 142-59-6/128-04-1

CHEMICAL NAME : DISODIUM ETHYLENEBISDITHIOCARBAMATE/SODIUM DIMETHYLDITHIO-CARBAMATE

HAZARDOUS INGREDIENTS	% COMPOSITION	OSHA-TWA,ppm	ACGIH-TWA,ppm	OTHER
DISODIUM ETHYLENEBIS-DITHIOCARBAMATE	15	NE	NE	NA
ETHYLENE THIOUREA	<1.0	NE	NE	NA
ETHYLENEDIAMINE	<0.75	10ppm	10ppm	NA
DIMETHYLAMINE	<0.75	10ppm	10ppm	NA

PHYSICAL DATA

BOILING POINT (F/C): >212/100

SPECIFIC GRAVITY (Water = 1): 1.176 20 DEGREES C

VAPOR PRESSURE (mm Hg): NA

MELTING POINT: NA

VAPOR DENSITY (Air - 1): NA

EVAPORATION RATE: 1 (Water = 1)

SOLUBILITY IN WATER: COMPLETE

FREEZING POINT (F/C): 32/0

% VOLATILE: 70, WATER

APPEARANCE AND ODOR: Yellow-green solution with characteristic sulfur odor.

FIRE AND EXPLOSION DATA

FLAMMABLE LIMITS IN AIR, % BY VOLUME

UPPER: NA LOWER: NA

FLASH POINT (TEST METHOD)

TAG CLOSED CUP (ASTM D56): NONE
TAG OPEN CUP (ASTM D1310): NONE

SPECIAL HAZARD DESIGNATIONS

	NFPA	KEY
HEALTH:	2	0 - MINIMAL
FLAMMABILITY:	0	1 - SLIGHT
REACTIVITY:	0	2 - MODERATE
PROTECTIVE EQUIPMENT:	2	3 - SERIOUS
		4 - SEVERE

TYPICAL pH: 10.5 TO 12.4

NR: NOT REQUIRED, NE: NOT ESTABLISHED, NA: NOT APPLICABLE

EXTINGUISHING MEDIA: Product is non-flammable as supplied. Use water, foam, carbon dioxide or dry chemical to extinguish fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus while extinguishing fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is non-flammable as supplied. Do not depend on ambient air for breathing air supply during fires. Fire may result into release of toxic gases such as oxides of carbon, nitrogen and sulfur.

REACTIVITY DATA

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Acidification releases flammable gases.

MATERIALS TO AVOID: Mineral acids such as sulfuric, nitric, and hydrochloric.

HAZARDOUS DECOMPOSITONS OR BY-PRODUCTS:

A-Thermal decomposition may release gases such as amines and carbon disulfide. B-Combustion of dry film may release oxides of carbon, nitrogen, and sulfur.

HEALTH HAZARD DATA

EFFECTS OF EXPOSURE ROUTES OF ENTRY: Inhalation, Ingestion, and Skin

Ingestion (swallowing): May cause nausea and vomiting.
Skin contact: Slightly irritating to skin.
Eye contact: Possibly irritating to eyes.
Inhalation: Vapors may be irritating to nose, throat, and respiratory tract producing symptoms of nausea in poorly ventilated areas.

TARGET ORGAN EFFECT: Product contains <1% Ethylene thiourea which has been determined to be a teratogen and oncogen in laboratory animals.

TOXICITY:		
	Oral LD 50 - Rats	1.4 gm/kg
	Dermal LD 50 - Rabbits	>2.0 gm/kg
	Acute Inhalation - Rats	>21.7 mg/liter

DELAYED EFFECTS: NE

CARCINOGENICITY: Product contains <1% Ethylene thiourea which has been determined to be a carcinogen in laboratory animals.

EMERGENCY AND FIRST AID DATA

Ingestion: If swallowed, dilute by drinking copious amounts of water and obtain medical attention.
Skin contact: Wash affected skin with soap and water and obtain medical attention.
Eye contact: Wash eyes with large amounts of water for at least 15 minutes. Obtain medical attention.
Inhalation: Remove subject to fresh air and obtain medical attention.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Soak up spills with absorbent material and scoop into drums. Follow all local, state, and federal regulations for disposal. Do not discharge into lakes and streams. The floor may be slippery. Use caution to avoid falls.

WASTE DISPOSAL METHOD:

Hazardous waste. Follow all local, state, and federal regulations for waste disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Wear safety goggles or face shield, rubber gloves, hat, long sleeve shirt, long pants, and boots when handling.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required if good ventilation is maintained. Otherwise, wear self-contained breathing apparatus. (Pressure Demand, MSHA/NIOSH approved or equivalent).

VENTILATION PROTECTION:

Local exhaust: Yes.
Mechanical (general): Yes.

PROTECTIVE GLOVES: Yes.

EYE PROTECTION: Face shield or safety goggles.

OTHER PROTECTION: Long sleeve shirt, long pants, boots, and hat.

WORK/HYGIENIC PRACTICES: Follow normal hygienic practices for handling chemicals.

SARA-TITLE III INGREDIENT INFORMATION

INGREDIENTS

NAME: ETHYLENE THIOUREA
CAS NO.: 96-45-7
APPLICABLE SARA SUBSECTIONS: 304, 313
THRESHOLD PLANNING QUANTITY: NONE
THRESHOLD REPORTING QUANTITY: 10 LB.

NAME: ETHYLENEDIAMINE
CAS NO.: 107-15-3
APPLICABLE SARA SUBSECTIONS: 302, 304
THRESHOLD PLANNING QUANTITY: 10,000 LBS.
THRESHOLD REPORTING QUANTITY: 5000 LBS.

NAME: DIMETHYLAMINE
CAS NO.: 124-40-3
APPLICABLE SARA SUBSECTIONS: 304
THRESHOLD PLANNING QUANTITY: NONE
THRESHOLD REPORTING QUANTITY: 1000 LBS.

1-27-04 pf

REPORT NUMBER: 703 UNIVAR USA INC. PAGE: 001
MSDS NO: DQ4950CR MATERIAL SAFETY DATA SHEET
MAINFRAME UPLOAD DATE: 01/12/04 VERSION: 010

PRODUCT: **SULFURIC ACID** 70 TO 100%

ORDER NO: 218948
PROD NO : 361070

EL PASO NATURAL
MONUMENT PLANT

MONUMENT ,NM 88265 ,

UNIVAR USA INC. (425)889-3400
6100 CARILLON POINT , KIRKLAND , WA 98033

EMERGENCY ASSISTANCE

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL - CHEMTREC
(800)424-9300

****
PRODUCT IDENTIFICATION
****

PRODUCT NAME: SULFURIC ACID 70 TO 100%

MSDS#: DQ4950CR

DATE ISSUED: 11/11/03

SUPERSEDES: 04/28/03

ISSUED BY: 004690

MATERIAL SAFETY DATA SHEET

WHMIS (Classification)
CLASS D-IA : Very toxic material causing immediate and serious effects
CLASS E : Corrosive material

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name 77 % - 100 % Sulfuric Acid
Distributed by:
Univar USA Inc.
6100 Carillon Point

PRODUCT: SULFURIC ACID 70 TO 100%

ORDER NO: 218948
PROD NO : 361070

Kirkland, WA 98033
425-889-3400

Phone Number (Transportation Emergency) U.S.A. 1-800-424-9300 CHEMTREC

Synonyms Dihydrogen Sulfate ; Oil of Vitriol ; Vitriol Brown Oil
Acide sulfurique (French)
DSL (Domestic Substance List) Listed

Name / Chemical Formula Sulfuric Acid / H2SO4
Chemical Family Acid

SECTION 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Exposure Limits

Name	CAS #	Percentage (%)	ACGIH (U.S.A.) TLV-TWA (mg/ml)	OSHA (U.S.A.) PEL - TWA (mg/ml)
Sulfuric (Acid)	7664-93-9	77 % to 100 % Technical	1	1
60 Deg Technical		77.7		
66 Deg Technical		93.2		
1.835 Electrolyte		93.2		
98 % Technical		98		
99 % Technical		99		
100 % Technical		100		
Water	7732-18-5	0-22	Not established	Not established

ACGIH: American Conference of Governmental Industrial Hygienists. OSHA : Occupational Safety and Health Administration. QUEBEC: Reglement sur la qualite du milieu de travail

Note: Sulfuric (Acid) : ACGIH TLV-STEL 3 mg/m3. Exposure limits may be different in other jurisdictions. ORAL acute (LD50) 2140 mg/kg (Rat) ; INHALATION (LC50, 4 hours) : 255 mg/m3 (Rat) ; 160 mg/m3 (Mouse).

Consult local authorities for acceptable exposure limits.

SECTION 3. PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance Liquid (Oily; Clear to turbid)
Odor Odorless
Molecular Weight 98.08
Taste Tasteless
pH (1% soln/water) < 1
Color Colorless to light grey
Boiling Point 193 C -327 C (379 F -621 F) @ 760 mm Hg
Volatility < 1 (Butyl Acetate = 1.0)
Melting Point -35 C to 11 C (-31 F to 52 F)

'I UCT: SULFURIC ACID 70 TO 100%

ORDER NO: 218948
PROD NO : 361070

Vapor Density 3,4
Vapor Pressure < 0,3 mm Hg @ 25 C (77 F)
Dispersion Yes (Water)
: 0,6 mm Hg @ 38 C (100 F)
Solubility Yes (Water)

GRADE	Boiling Point DEG C	Boiling Point DEG F	Freezing Point DEG C	Freezing Point DEG F	Specific Gravity
50 DEG TECHNICAL	193	380	- 12	10	1,706
66 DEG TECHNICAL	279	535	- 35	-31	1,835
1,835 ELECTROLYTE	279	535	- 35	-31	1,835
98 % TECHNICAL	327	621	- 2	29	1,844
99 % TECHNICAL	310	590	4	40	1,842
100 % TECHNICAL	274	526	11	51	1,839

SECTION 4. RISK IDENTIFICATION FOR HUMAN HEALTH

Routes of Entry Ingestion. Inhalation. Contacts oculaire et cutane.

C inogenicity Strong inorganic acid mists containing sulfuric acid (Occupational exposures) : PROVEN (Human, Group 1, IARC) ; SUSPECTED (Human, Group A2, ACGIH) ; Group X (NTP). Classification not applicable to sulfuric acid and sulfuric acid solutions.

Mutagenicity Not applicable.
Teratogenicity Not applicable.

Acute Effects
Sulfuric (Acid) : May be fatal if inhaled or ingested in large quantity. Liquids or acid mists : May produce tissue damage : Mucous membranes (Eyes, mouth, respiratory tract). Extremely dangerous by eyes and skin contact (Corrosive). Severe irritant for eyes : Inflammation (Redness, watering, itching). Very dangerous in case of inhalation (Mists) : May produce severe irritation of respiratory tract (Coughing, shortness of breath, choking).

Chronic Effects
Sulfuric (Acid) : Possible overexposure to strong inorganic mists containing sulfuric acid : Laryngeal cancer. Target organs for acute and chronic overexposure (*NIOSH 90-117*) : *Respiratory system, eyes, skin, teeth.* Mists : Possible irritation of the nose and throat with sneezing, sore throat or runny nose. Headache, nausea and weakness. Gross overexposure : Possible irritation of nose, throat, and lungs with cough, difficulty breathing or sh tness of breath. Pulmonary edema with cough, wheezing, abnormal lung ds, possibly progressing to severe shortness of breath and bluish discoloration of the skin ; Symptoms may be delayed. Repeated or prolonged *exposure to mists may cause : Corrosion of teeth.*
Contact: Possible skin corrosion, burns or ulcers. Contact with a 1 %

solution: Possible slight irritation with itching, redness or swelling. Repeated or prolonged exposure (Mist) : Possible irritation with itching, burning, redness, swelling or rash.
Contact: Possible eye corrosion or ulceration (Blindness may result). Repeated or prolonged exposure (Mist) Possible eye irritation with tearing, pain or blurred vision.
Ingestion: Immediate effects of overexposure may include : Burns of the mouth, throat, esophagus and stomach, with severe pain, bleeding, vomiting, diarrhea and collapse of blood pressure. Damage may appear days after exposure.

Toxicity
Persons with the following pre-existing conditions warrant particular attention
Sulfuric (Acid) : Laryngeal irritation.
Eating, drinking and smoking must be prohibited in areas where this material is handled and processed. Wash hands and face before eating, drinking and smoking.

SECTION 5. FIRST AID MEASURES

Eye Contact
Remove contact lenses if present. Immediately flush eyes with plenty of water, holding eyelids open for at least 20 minutes. Consult a physician. Possible conjonctivitis, severe irritation, severe burns, permanent eye damage.

Skin Contact
Remove contaminated clothing and shoes, as quickly as possible protecting your hands and body. Place under a deluge shower. Flush exposed skin gently and thoroughly with running water and non-abrasive soap (Pay particular attention to : Folds, crevices, creases, groin). Call a physician if irritation persists. May irritate skin, cause burns (Highly corrosive) and possibly leave some scarring. Wash contaminated clothing before reusing. while the patient is being transported to a medical facility, continue the application of cold, wet compresses. If medical treatment must be delayed, repeat the flushing with cold water or soak the affected area with cold water to help remove the last traces of sulfuric acid. Creams or ointments SHOULD NOT be applied before or during the washing phase of treatment.

Inhalation
Take precautions to avoid secondary contamination by residual acids. Remove the person to fresh air. If not breathing, give artificial respiration. Difficult breathing : Give oxygen. Get immediate medical attention. Possible damage to the upper respiratory tract and lung tissues. Maintain observation of the patient for delayed onset of pulmonary edema. May cause irritation to the upper respiratory tract : Coughing, sore throat, shortness of breath.

Ingestion DO NOT INDUCE VOMITING. Conscious and alert person : Rinse mouth with water and give 1/2 to 1 cup of water or milk to dilute material. Spontaneous vomiting : Keep head below hips to prevent aspiration ; Rinse mouth and give 1/2 to 1 cup of water or milk. UNCONSCIOUS person : DO NOT induce vomiting or give any liquid. Immediately obtain medical attention.

Notes to Physicians Continued washing of the affected area with cold or iced water will be helpful in removing the last traces of sulfuric acid. Creams or ointments should not be applied before or during the washing phase of the treatment.

SECTION 6. FIRE AND EXPLOSION DATA

Flash Point Not available
Flammable Limits Not available
Auto-ignition Temperature Not available
Products of Combustion Releases sulfur dioxide at extremely high temperatures.
(
F Hazard Not flammable
Explosion Hazard Reacts with most metals, especially when dilute : Hydrogen gas release (Extremely flammable, explosive).
Follow appropriate National Fire Protection Association (NFPA) codes.

Fire Fighting (Instructions) Use media appropriate for surrounding material. Use water spray to cool containers exposed to fire ; DO NOT get water inside containers.
Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Generates heat upon addition of water, with possible spattering. Wear full protective clothing. Runoff from fire control may cause pollution. Neutralize run-off with lime, soda ash, etc., to prevent corrosion of metals and formation of hydrogen gas. Wear self-contained breathing apparatus if fumes or mists are present.

SECTION 7. HANDLING AND STORAGE / ENGINEERING CONTROLS AND PERSONAL PROTECTION

Handling
Do not get in eyes, on skin, or on clothing. Avoid breathing Vapors or mist. Wear approved respirators if adequate ventilation cannot be provided. Wash thoroughly after handling. Ingestion or inhalation : Seek medical advice immediately and provide medical personnel with a copy of this MSDS.

Storage
K > container tightly closed and closure up (Drum) to prevent leakage. DO add water to contents while in container because of violent reaction. Keep out of sun and away from heat, sparks, and flame. Loosen closure carefully. Relieve internal pressure when received and at least weekly thereafter. DO NOT use pressure to empty. Be sure closure is securely fastened before

oving container. DO NOT wash out container or use it for other purposes; Replace closure after each withdrawal and return it with empty container.

Engineering Controls
Good general ventilation should be provided to keep Vapor and mist concentrations below the exposure limits.

Personal Protection
Chemical splash goggles ; Full-length face shield/chemical splash goggles combination ; Acid-proof gauntlet gloves, apron, and boots ; Long sleeve wool, acrylic, or polyester clothing ; Acid proof suit and hood ; And appropriate NIOSH respiratory protection.

In case of emergency or where there is a strong possibility of considerable exposure, wear a complete acid suit with hood, boots, and gloves. If acid Vapor or mist are present and exposure limits may be exceeded, wear appropriate NIOSH respiratory protection.

SECTION 8. ACCIDENTAL RELEASE MEASURES / DISPOSAL ARRANGEMENTS

Spill Review Fire and Explosion Hazards and Safety Precautions before proceeding with clean up. Stop flow if possible. Soak up small spills with dry sand, clay or diatomaceous earth. Dike large spills, and cautiously dilute and neutralize with lime or soda ash, and transfer to waste water treatment system. Prevent liquid from entering sewers, waterways, or low areas. If this product is spilled and not recovered, or is recovered as a waste for treatment or disposal, the Reportable Quantity is 1,000 lbs. (Based on the sulfuric acid content of the solution spilled). Comply with Federal, State, and local regulations on reporting releases.

Personal Protection
Review Fire Fighting Measures and Handling (Personnel Protection) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Waste Disposal
Cleaned-up material may be an RCRA Hazardous Waste on disposal due to the corrosivity characteristic. DO NOT flush to surface water or sanitary sewer system. Comply with Federal, State, and local regulations. If approved, neutralize and transfer to waste treatment system.

SECTION 9. STABILITY AND REACTIVITY DATA

Stability

Conditions of Instability
Reacts violently with water and organic materials with evolution of heat.

Polymerization
Polymerization will not occur

Incompatibilities
Vigorous reactions with : Water; alkaline solutions ; Metals, metal powder; Carbides ; Chlorates ; Fuminates ; nitrates ; Picrates ; Strong oxidizing, reducing, or combustible organic materials. Hazardous gases are evolved on contact with chemicals such as cyanides, sulfides, and carbides.

Corrosivity
Yes

SECTION 10. ECOTOXICOLOGICAL INFORMATION

Ecotoxicity
Aquatic toxicity : Slightly to moderately toxic.
Bluegill Sunfish (LC50 ; 96 hours) : 10,5 ppm
Flounder (48 hours TLM) : 100-300 ppm

Toxicity to Animals

EYE: Testing indicates this material is corrosive to the eye, when tested undiluted. Testing indicates this material is a moderate eye irritant, when tested as 10 % solution.

SKIN: The concentrated compound is corrosive. Testing indicates this material is a slight skin irritant, when tested as 10 %solution. Single and repeated exposure caused : Irritation of the respiratory tract. Corrosion of the respiratory tract. Lung damage. Labored breathing. Altered respiratory rate. Pulmonary edema. Repeated exposure caused Altered red blood cell count.

Biodegradation Products
Not available

Biodegradation Products (Toxicity)
Not applicable

Remarks on Environment
Due to the product's composition, particular attention must be taken for transportation and storage. Protect from rain because the run-off water will become acidic and may be harmful to flora and fauna.

BOD5 and COD
Not available

SECTION 11. TRANSPORT INFORMATION / OTHER REGULATIONS

PRODUCT: SULFURIC ACID 70 TO 100%

ORDER NO: 218948
PROD NO : 361070

TDG CLASS 8 Corrosives
PIN UN1830 SULFURIC ACID PG II

Special Provisions (Transport) None
Other Regulations
DOT (U.S.A.)/IMO Proper Shipping Name SULFURIC ACID
Hazard Class 8
UN No. 1830
DOT/IMO Label CORROSIVE
Packing Group II
Reportable Quantity 1000 lbs (454 kg)
Shipping Containers Tank Cars, Tank Trucks, Barge
EU (Directive 67/548/EEC) :
Sulfuric (Acid) : Annex I Index number : 016-020-00-8 ; EU Consolidated Inventories : EC Number 231639

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) : On the Domestic Substances List
( ) ; acceptable for use under the provisions of CEPA.
CERCLA Section 103 Hazardous substances (40 CFR 302.4) ; SARA Section 302 Extremely Hazardous
Substances (40 CFR 355) : Yes ; SARA Section 313, Toxic Chemicals (40 CFR 372.65) ; US: TSCA
Inventory : Listed

Sulfuric (Acid) (Final RQ) : 1 000 pounds (454 kg)
Sulfuric Acid is subject to reporting requirements of Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA),
40 CFR Part 372.
Certain companies must report emissions of Sulfuric Acid as required under The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), 40 CFR Part 302
For more information call the SARA Hotline 800-424-9346.
Strong Inorganic Acid Mists Containing Sulfuric Acid : Chemical listed effective March 14, 2003 to the State of California, Proposal 65.

Classifications HCS (U.S.A.) Dangerous may cause cancer
Corrosive liquid

Classifications DSCL (EEC) R35- Causes severe burns
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S30- Never add water to this product
S In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

NFPA (National Fire Protection Association) (U.S.A.)

PRODUCT: SULFURIC ACID 70 TO 100%

ORDER NO: 218948
PROD NO : 361070

Fire Hazard 0 Health 3 Special Hazard-- - ACID

SECTION 12. OTHER INFORMATION

References -
ACGIH, TLVs and BEIs. 2003
Canadian Centre for Occupational Health and Safety (CCOHS). Database
MSDS/FTSS. Network Version WWW, 2003
CSST - Repertoire toxicologique, 2003
IARC, Monographs on the Evaluation of Carcinogenic Risks to Humans
(collection)
Merck Index. Merck & CO., Inc, 12th edition, 1999
NIOSH U.S. - Pocket Guide to Chemical Hazards - WWW database, 2003
North American Emergency Response Guidebook Documents, Developed by the U.S.
Department of Transportation,
Transport Canada, and the Secretariat of Communications and Transportation of
Mexico, 2000
Patty's Industrial Hygiene and Toxicology, 3rd Revised Edition
R ement sur les produits controles (Canada)
RTECS plus(R) Micromedex Inc. Environmental Health & Safety Series. WWW
database, 2003
-Toxicologie industrielle & intoxication professionnelle, 3e edition, Lauwerys
Glossary CSST : Commission de la Sante et de la Securite du Travail (Quebec).
IARC : International Agency for Research on Cancer.
NIOSH : National Institute of Occupational Safety and Health.
NTP : U.S. National Toxicology Program.

Note
Because of its corrosive characteristics and inherent hazards,
Sulfuric Acid should not be used in sewer or drain cleaners or any similar
application; regardless of whether they are formulated for residential,
commercial or industrial use. Vendor will not knowingly sell sulfuric acid
to individuals or companies who repackage the product for sale as sewer or
drain cleaners, or any other similar use. The data in this Material Safety
Data Sheet relates only to the specific material designated herein and does
not relate to use in combination with any other material or in any process.

'' UCT: SULFURIC ACID 70 TO 100%

ORDER NO: 218948
PROD NO : 361070

FOR ADDITIONAL INFORMATION

CONTACT: MSDS COORDINATOR UNIVAR USA INC.
DURING BUSINESS HOURS, PACIFIC TIME (425)889-3400

01/26/04 03:42 PRODUCT: 361070 CUST NO: 460976 ORDER NO: 218948

NOTICE

******** UNIVAR USA INC("UNIVAR"), EXPRESSLY DISCLAIMS

ALL EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A

PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT OR INFORMATION PROVIDED

H IN, AND SHALL UNDER NO CIRCUMSTANCES BE LIABLE FOR INCIDENTAL OR

CONSEQUENTIAL DAMGAGES. **

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ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES. WHILE THE INFORMATION IS BELIEVED TO BE ACCURATE, UNIVAR MAKES NO REPRESENTATIONS AS TO ITS ACCURACY OR SUFFICIENCY. CONDITIONS OF USE ARE BEYOND UNIVARS CONTROL AND THEREFORE USERS ARE RESPONSIBLE TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PARTICULAR PURPOSES AND THEY ASSUME ALL RISKS OF THEIR USE, HANDLING, AND DISPOSAL OF THE PRODUCT, OR FROM THE PUBLICATION OR USE OF, OR RELIANCE UPON , INFORMATION CONTAINED HEREIN. THIS INFORMATION RELATES ONLY TO THE PRODUCT DESIGNATED HEREIN, AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY OTHER PROCESS.

* * * E N D O F M S D S * * *

MATERIAL SAFETY DATA SHEET

Continental Products of Texas

100 Industrial • P.O. Box 3627 • Odessa, Texas 79760 • (915)337-4681

ANTIPOL 310

SECTION I - IDENTIFICATION

TRADE NAME	ANTIPOL 310
REVISED DATE	November 3, 1999
CHEMICAL NAME	Aqueous Mixture
CAS NUMBER	Not Appropriate
OSHA HAZARD CLASS	Non Hazard
EMERGENCY PHONE NUMBER	1-800-592-4684 OR Chemtrec 1-800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	HAZARDOUS %	HAZARDOUS COMPONENT DATA

SECTION III - PHYSICAL DATA

[B]OILING POINT	ND
[V]APOR PRESSURE (mm Hg)	20
[S]OLUBILITY IN H2O	Completely soluble
APPEARANCE/ODOR	Amber
SPECIFIC GRAVITY (H2O=1)	1.1
VOLATILITY/VOL(%)	75
PH OF SOLUTION	5.0-6.0

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	None
FLAMMABLE LIMITS	None
EXTINGUISH MEDIA	Foam, CO2, Dry Chemical, Halon, Water Fog
FIRE FIGHTER PROTECTION	Self Contained Breathing Apparatus
DECOMPOSITION PRODUCTS	CO, CO2
UNUSUAL FIRE HAZARD	This material may be burned after evaporation of the water phase.

MATERIAL SAFETY DATA SHEET

Continental Products of Texas

100 Industrial • P.O. Box 3627 • Odessa, Texas 79760 • (915) 337-4681

ANTIPOL 310

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY..... This material may present a health hazard if it is inhaled or if the liquid contacts skin or eyes.

OVER EXPOSURE EFFECTS	INHALATION:	SKIN AND EYES	INGESTION:
	Severe Nasal and Respiratory damage.	Severe Eye and Skin burns, possible ulceration.	Nausea, Vomiting, Cramps, Throat and Stomach damage.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE.. None are known.

ANY COMPONENT LISTED AS A CARCINOGEN?	NTP?	IARC MONOGRAPHS?	OSHA?
	No	No	No

FIRST AID PROCEDURES..... INHALATION: Move victim to fresh air. If victim has stopped breathing, give artificial respiration. Get immediate medical attention.
INGESTION: DO NOT induce vomiting. Vomiting will cause further damage to throat. Give milk of magnesia. Get immediate medical attention.
EYE CONTACT: Immediately wash eyes with large amounts of water for 15 minutes, lifting eye lids to complete flushing. Get medical attention.
SKIN CONTACT: Wash skin with water for 15 minutes. If irritations persists, get medical att ention. Wash contaminated clothing before reuse.

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY..... Stable
CONDITIONS TO AVOID..... Will freeze at O Deg F
COMPATIBLE MATERIALS... Strong Acids
DECOMPOSITION PRODUCTS... CO, CO2
HAZARDOUS POLYMERIZATION. Will not occur

MATERIAL SAFETY DATA SHEET

Continental Products of Texas

100 Industrial • P.O. Box 3627 • Odessa, Texas 79760 • (915) 337-4681

ANTIPOL 310

SECTION VII - SPILL OR LEAK PROCEDURE

IN CASE OF SPILL.....	CONTAIN SPILL. Wear suitable protective equipment. Pick up spill with adsorbent material.
WASTE DISPOSAL METHOD....	Send to an approved disposal site in accordance with Federal, State, and Local regulations.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION...	Wear a NIOSH approved respirator
VENTILATION.....	Avoid breathing vapors. Ventilate as needed.
SPECIAL.....	Alkali resistant slicker suit & rubber boots
PROTECTIVE GLOVES.....	Chemical resistant
EYE PROTECTION.....	Splash proof goggles and safety glasses
OTHER PROTECTIVE EQUIPMENT.....	Eyewash Station, Safety Shower

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE.....	Do not store with Incompatible Materials. Do not get in eyes, on skin, or on clothing. Keep containers closed.
PRECAUTIONARY MEASURES...	The health and safety characteristics of this mixture are not fully known. We advise that it be handled and managed as a hazardous substance.

SECTION X - ADDITIONAL DATA

EPA HAZARD CATEGORY.....	Immediate (acute) health hazard - Corrosive
DOT LABEL REQUIRED.....	None
CERCLA REPORTABLE QUANTITY OF MIXTURE.....	N/A

SARA TITLE III DATA

THRESHOLD PLANNING QUANTITY.....	Not applicable
OFFSITE RELEASE RQ.....	N/A

SECTION 313 TOXIC COMPONENT/S

MPONENT CHEMICAL NAME	AMOUNT IN MIXTURE
/A	

MATERIAL SAFETY DATA SHEET

Continental Products of Texas

100 Industrial • P.O. Box 3627 • Odessa, Texas 79760 • (915) 337-4681

ANTIPOL 310

All empty drums or containers should be sent to a certified reconditioner or certified disposal site for proper disposal. Empty containers should not be used in any other way. Misuse of 'empty' drums or containers has resulted in many serious accidents.

Material Safety Data Sheet

Continental Products
100 Industrial Ave.
Odessa, TX 79761
Emergency Phone Number: 1-800-592-4684

DATE PREPARED:..... 2/25/2003
REVISION NUMBER: ..... July 22, 2002
CHEMTREC:..... 800-424-9300

HMIS Health.....2
HMIS Flammability.....0
HMIS Reactivity.....0
HMIS Protection..... COR

SECTION I - IDENTIFICATION

PRODUCT NAME:..... Corrate 28AD
CAS NUMBER: ..... Not Appropriate

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	PEL
Sodium Hydroxide (CAS# 1310-73-2)	Conf.	OSHA (PEL): TWA = 2 mg/m3. ACGIH (TLV): ceiling = 2 mg/m3
Ethylene Glycol (CAS# 107-21-1)	Conf.	ACGIH (TLV): ceiling = 50 ppm, 125 mg/m3
Trade Secret Component	Conf.	ACGIH (TLV): TWA = 5 mg/m3

SECTION III - PHYSICAL DATA

APPEARANCE:..... Colored liquid / Odorless
BOILING POINT:..... 221 Deg F
VAPOR PRESSURE:..... 27
VAPOR DENSITY (AIR=1):..... Unknown
SPECIFIC GRAVITY: 1.1-1.2
pH:..... 12.0 to 13.0
SOLUBILITY IN WATER:..... Completely soluble
VOLATILITY INCLUDING WATER(%):.....60

SECTION IV - FIRE AND EXPLOSION DATA

FLASHPOINT: ..... None
EXTINGUISHING MEDIA: ..... Foam, CO2, Dry Chemical, Halon, Water Fog
SPECIAL FIRE FIGHTING PROCEDURES:.... Self Contained Breathing Apparatus
UNUSUAL FIRE AND EXPLOSION HAZARDS:..... This material may be burned after evaporation of the water phase.

SECTION V - REACTIVITY DATA

STABILITY: ..... Stable
HAZARDOUS POLYMERIZATION:..... Will not occur
INCOMPATIBILITY: ..... Strong Acids
CONDITIONS TO AVOID: ..... Not Applicable
DECOMPOSITION PRODUCTS:..... Oxides of Carbon and Nitrogen

SECTION VI - HEALTH DATA

LISTED CARCINOGEN:..... No
MEDICAL CONDITION AGGRAVATED:..... None are known.
OVER EXPOSURE EFFECTS:
..... INHALATION: Severe Nasal and Respiratory damage.
..... SKIN AND EYES: Severe Eye and Skin burns, possible ulceration.
..... INGESTION: Nausea, Vomiting, Cramps, Throat and Stomach damage.

SECTION VII FIRST AID

FIRST AID PROCEDURES:..... INHALATION: (Aspiration) Move victim to fresh air. If victim has stopped breathing, give artificial respiration. Get immediate medical attention. INGESTION: Give large amounts of water and induce vomiting. Get immediate medical attention. EYE CONTACT: Wash eyes with large amounts of water for 15 minutes. Get medical attention. SKIN CONTACT: Wash skin with soap and water. If irritations persists, get medical attention. Wash contaminated clothing before reuse.

SECTION VIII EMPLOYEE PROTECTION

PROTECTIVE CLOTHING:..... None
EYE PROTECTION:..... Splash proof goggles and safety glasses
PROTECTIVE GLOVES:..... Chemical resistant
VENTILATION:..... Avoid breathing vapors. Ventilate as needed.
ADDITIONAL MEASURES:..... Eyewash Station, Safety Shower

SECTION IX - SPILL AND DISPOSAL DATA

SPILL: ..... CONTAIN SPILL. Wear suitable protective equipment. Pick up spill with adsorbent material.
WASTE DISPOSAL: ..... Send to an approved disposal site in accordance with Federal, State, and Local regulations.

SECTION X - TRANSPORTATION DATA

PROPER SHIPPING NAME:..... Corrosive Liquid, n.o.s, (Contains Sodium Hydroxide), 8, UN 1760PG III ERG 60

CONSTITUENT: ..... **Sodium Hydroxide (CAS# 1310-73-2) Ethylene Glycol (CAS# 107-21-1) Trade Secret Component**

.....

HAZARD CLASS AND LABEL: ..... **Corrosive**

SECTION XI - OTHER REGULATORY INFORMATION

EPA HAZARD CATEGORY:.... **Immediate (acute) health hazard - Corrosive, Toxic, Irritant, Sensitizer**
EPA (TSCA)..... **All materials are in compliance**
DOT LABEL REQUIRED: ..... **Corrosive**
REPORTABLE QUANTITY: .... **6,875 gls (based on EG)**
SARA 313 COMPONENTS:..... **Ethylene Glycol (CAS# 107-21-1)**
..... **Trade Secret Component**
AMOUNT IN MIXTURE: ..... **EG<5%**
..... **Trade<15%**

SECTION XII - PRECAUTIONARY LABEL STATEMENTS

All empty drums or containers should be sent to a certified reconditioner or certified disposal site for proper disposal. Empty containers should not be used in any other way. Misuse of `empty' drums or containers has resulted in many serious accidents.

SECTION XIII - ADDTIONAL INFORMATION

MATERIAL SAFETY DATA SHEET

CORPORATE RESEARCH & DEVELOPMENT

SCHENECTADY, N. Y. 12305

MATERIALS INFORMATION SERVICES

No. 470

DIESEL FUEL OIL NO. 2-D

Date October 1981

SECTION I. MATERIAL IDENTIFICATION

MATERIAL NAME: DIESEL FUEL OIL NO. 2-D
DESCRIPTION: Mixture of petroleum hydrocarbons; a distillate oil of low sulfur content
OTHER DESIGNATIONS: ASTM D975, CAS # 068 476 346
MANUFACTURER: Available from many suppliers

SECTION II. INGREDIENTS AND HAZARDS	%	HAZARD DATA
Diesel Fuel Oil No. 2-D		
Complex mixture of paraffinic, olefinic, naphthenic and aromatic hydrocarbons**	>95	8-hr TWA 5mg/m^3* (mineral oil mist)
Sulfur content	<0.5	
Benzene***	<100 ppm	

*Current OSHA standard and ACGIH (1981) TLV
**Diesel fuels tend to be low in aromatics and high in paraffinics. A min. Cetane No. of 40 is required (ASTM D613).
***A low benzene level reduces carcinogenic risk. Fuel oils can be exempted under the benzene standard (29 CFR 1910.1028)

SECTION III. PHYSICAL DATA

Boiling point range, deg F, -------	Ca 340-675	Specific gravity (H_2O=1) ----	<0.86
Solubility in water ----------	negligible	Cloud point (wax), deg C ---	Ca 0
Viscosity at 40 C, cSt ----------	1.9-4.1		

Appearance and Odor: Clear, bright liquid with a mild petroleum odor.

8.3 water #/gal
Diesel - 7.0 #/gallon

SECTION IV. FIRE AND EXPLOSION DATA

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air % by volume	LOWER	UPPER
125F min (PM)	>500F		0.6	7.5

Extinguishing Media: Dry chemical, carbon dioxide, foam, water spray. Use a water spray to cool fire exposed containers. Use a smothering technique for extinguishing fire of this combustible liquid. Do not use a forced water stream directly on oil fire as this will only scatter the fire. Material is a OSHA Class II combustible liquid.
Firefighters should wear self-contained breathing apparatus and full protective clothing.

SECTION V. REACTIVITY DATA

This is a stable material in closed containers at room temperature under normal storage and handling conditions. It does not undergo hazardous polymerization.
Incompatible with strong oxidizing agents; heating greatly increases fire hazard.
Thermal -oxidative degradation may yield various hydrocarbons and hydrocarbon derivatives (partial oxidation products), CO_2 and CO and SO_2.

GENERAL ELECTRIC

NO. 470

SECTION VI. HEALTH HAZARD INFORMATION

TLV 5 mg/m^3 (oil mist) (See Sect II)

Inhalation of excessive concentrations of vapor or mist can be irritating to the respiratory passages and can cause the following symptoms: headache, dizziness, nausea, vomiting, and loss of coordination. Prolonged or repeated skin contact may cause irritation of the hair follicles and block the sebaceous glands. This produces a rash of acne pimples and spots, usually on the arms and legs. (Good personal hygiene will prevent this).

Chemical pneumonitis may result when ingestion occurs and oil is aspirated in the lungs.

FIRST AID:

Eye Contact: Flush thoroughly with running water for 15 min. including under eyelids.

Skin Contact: Remove contaminated clothing. Wipe excess oil off with a dry cloth. Wash affected area well with soap and water.

Inhalation: Remove to fresh air. Restore and/or support breathing as required.

Ingestion: Do not induce vomiting.

Seek medical assistance for further treatment, observation and support.

SECTION VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Notify safety personnel of leaks or spills. Remove sources of heat or ignition. Provide adequate ventilation. Clean-up personnel to use protection against liquid contact and vapor or mist inhalation. Contain spill by diking. Small spills can be contained by using absorbants, such as rags, straw, polyurethane foam, activated carbon, and sand. Clean up spills promptly to reduce fire or vapor hazards.

DISPOSAL: May be disposed of by a licensed waste disposal company, or by controlled incineration or burial in an approved landfill.

Follow Federal, State and Local regulations. Report large oil spills.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Provide adequate ventilation where operating conditions (heating or spraying) may create excessive vapors or mists. Use explosion-proof equipment. Provide approved respiratory apparatus for nonroutine or emergency use. Use an approved filter & vapor respirator when vapor/mist concentrations are high. Wear protective rubber gloves and chemical safety glasses where contact with liquid or high mist conc. may occur. Additional suitable protective clothing may be required depending on working conditions. An eye-wash fountain and washing facilities to be readily available near handling and use areas.

Launder soiled or contaminated clothing before reuse (at least weekly laundering of work clothes is recommended) .

SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS

Store in closed containers in a cool, dry, well-ventilated area away from sources of open flame, heat, strong oxidizing agents, and ignition. Protect containers from physical damage. Use non sparking tools and explosion-proof electrical equipment. Prevent static electric sparks.

Avoid prolonged skin contact and breathing of vapors or mists.

No smoking in areas of use. Follow good hygienic practice in the use of this material. Do not wear oil contaminated clothing. Do not put oily rags into pockets. Wash exposed skin areas several times a day with soap and warm water when working with this material. DOT Classification: COMBUSTIBLE LIQUID

DATA SOURCE(S) CODE: 1,6,7,12

APPROVALS: MIS CRD J. M. Miller

Industrial Hygiene and Safety 10-12-81

MEDICAL REVIEW: 21 October 1981

GENERAL ELECTRIC

Product Name: RNB-70131

Section: 01 PRODUCT IDENTIFICATION

BJ UNICHEM CHEMICAL SERVICES
707 N. LEECH
HOBBS, NM 88241-1499
TELEPHONE:(505)393-7751

Emergency Telephone CHEMTREC (800)424-9300
Previous Version Date 2/04/97
Date Prepared 7/07/98
Version: 0000002

Product Name: RNB-70131

Trade Name: Emulsion Breaker

Chemical Description:
Proprietary blend of surface active agents in aromatic solvent

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Section: 02 HAZARDOUS INGREDIENTS

Component Name	CAS#	% Range
heavy aromatic distillate	068132-00-3	< 70%
petroleum distillate	064742-06-9	< 15%
ethylbenzene	000100-41-4	< 10%
aromatic naphtha	064742-94-5	< 10%
isopropyl alcohol	000067-63-0	< 10%
naphthalene	000091-20-3	< 5%
xylene	001330-20-7	< 5%

Section: 03 PHYSICAL DATA

Freezing Point: 20 Deg.F. pH: N/A
Boiling Point, 760 mm Hg: 280 Deg.F
Specific Gravity(H2O=1) : 0.937 Solubility in water: Dispersible
Appearance and Odor: Clear, amber liquid; aromatic odor

Section: 04 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Test Method): 91 Deg.F TCC

Extinguishing Media

CO2, dry chemical, water spray or fog, or foam. Use water to keep containers cool. Isolate "fuel" supply from fire. Contain fire fighting liquids for proper disposal.

Special Fire Fighting Procedures

Do not enter confined fire space without proper personal protective equipment including NIOSH approved self-contained breathing apparatus with full facepiece operated in the positive pressure demand mode. Do not inject a solid stream of water or foam into hot, burning pools; this may cause splattering and increase fire intensity. Evacuate personnel to a safe area. Keep unnecessary people away.

Product Name: RNB-70131

Section: 04 FIRE AND EXPLOSION HAZARD DATA CONTINUED

Unusual Fire and Explosion Hazards

This material is volatile and readily gives off vapors that may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Containers may explode from internal pressure if confined to fire. Keep containers cool. Keep unnecessary people away.

Section: 05 HEALTH HAZARD DATA

Effects of Overexposure

Eye Contact: causes irritation, redness and intense stinging and burning. If not promptly removed, can cause permanent damage.

Skin Contact: this substance is a moderate skin irritant so contact with the skin could cause prolonged (days) injury to the affected area. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. Repeated or prolonged contact may cause irritation and dermatitis.

Inhalation: exposure to high concentrations of vapors or mists may cause lightheadedness, dizziness, headaches or unconsciousness, CNS depression, lipoid pneumonitis and convulsions. Prolonged exposures may cause nausea, and narcosis. May be slightly toxic to internal organs if inhaled. The degree of injury will depend on the airborne concentration and duration of the exposure.

Ingestion: can cause burning of the gastrointestinal tract, nausea, bleeding, CNS depression, hemolysis, pulmonary damage, and vomiting. This material can directly enter the lungs during the act of swallowing or when vomiting the substance. Once in the lungs, it can be very difficult to remove and can cause severe injury to the lungs and result in death.

Medical Conditions Aggravated By Exposure: individuals with congenital erythrocyte glucose-6-phosphate dehydrogenase deficiency may be particularly susceptible to the hemolytic effects of naphthalene.

Additional Information: repeated application of heavy aromatic distillate to the skin of rats resulted in severe skin irritation at the site of contact which resulted in cracking, peeling and scarring. Inhalation exposure caused decreased body weights and death of one female but no observable gross pathological effects in surviving animals.

This product contains xylene, a chemical that has been

Product Name: RNB-70131

Section: 05 HEALTH HAZARD DATA CONTINUED

reported to cause developmental toxicity in rats and mice exposed by inhalation during pregnancy. These effects included delayed development and minor skeletal variations. Additionally, when pregnant mice were exposed by ingestion to a level that killed nearly one-third of the test group, lethality (resorptions) and malformations (primarily cleft palate) occurred. Malformations have not been reported following inhalation exposure. Because of the very high levels of exposure used in these studies, it is not believed that their results imply an increased risk of reproductive toxicity to workers exposed to xylene levels at or below the exposure standard. Mixed xylenes have been shown to cause hearing loss in rats exposed to 800 ppm in the air for 14 hours per day for six weeks. Although no information is available for lower concentrations, other chemicals that cause hearing loss in rats at relatively high concentrations do not cause hearing loss at low concentrations.

This product contains cumene. Rats exposed to high concentrations had increases in weights of liver, kidneys and adrenals, and microscopic changes in the kidneys.

This product contains naphthalene. Overexposure to naphthalene by inhalation, ingestion or skin contact may produce signs and symptoms of headache, fever, profuse sweating, nausea, abdominal pain, diarrhea, lethargy, tremors, convulsions, evidence of blood changes, including hematuria and hemoglobinuria, and optic neuritis. Lab animals given repeated oral doses of naphthalene have developed cataracts.

This product contains ethylbenzene. In studies conducted by the National Toxicology Program, ethylbenzene has been found to cause carcinogenic activity.

This product contains components which resulted from a reaction involving ethylene oxide and propylene oxide (EO/PO) and may contain residual amounts (less than 0.1%) of unreacted EO/PO. These can accumulate in the container headspace and be released to the ambient environment when opened. This phenomenon would increase when the product is agitated as during unloading or blending operations. OSHA has set the worker exposure level for EO at 1ppm (TWA). This standard regulates occupational exposure to EO from all sources including products that contain residual EO. EO and PO are chemicals known to the state of California to cause cancer and/or reproductive toxicity.

This product contains a trace amount of benzene, a substance known to the state of California to cause cancer.

This product contains a trace amount of toluene, a substance known to the state of California to cause reproductive toxicity.

Target Organs: eyes, skin, kidneys, liver, lungs and CNS.

Product Name: RNB-70131

Section: 05 HEALTH HAZARD DATA CONTINUED

Emergency and First Aid Procedures

SKIN

Wash with soap and water. Remove contaminated clothing and launder contaminated clothing before reuse. Get medical attention if redness or irritation develops.

EYES

Flush eyes immediately with large amounts of water for at least 15 minutes. Lift lower and upper lids occasionally. Get medical attention.

INHALATION

Remove victim to fresh air. Give artificial respiration if not breathing. If breathing is difficult, administer oxygen. Keep person warm, quiet and get medical attention.

INGESTION

Call a physician immediately. Give victim a glass of water. Do NOT induce vomiting unless instructed by a physician or poison control center. Never give anything by mouth to an unconscious person.

Section: 06 REACTIVITY DATA

Stable (Y=Yes/N=No): Y

Stability -- Conditions to Avoid

None known.

Incompatibility (Materials to Avoid)

Avoid contact with strong oxidizing agents, strong alkalies, and strong mineral acids.

Hazardous Decomposition Products

Thermal decomposition or combustion may produce smoke, carbon monoxide and carbon dioxide.

Hazardous Polymerization May Occur(Y=Yes/N=No): N

Hazardous Polymerization -- Conditions to Avoid

None

Section: 07 SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled

Eliminate sources of ignition. Persons not wearing suitable personal protective equipment should be excluded from area of spill until clean-up has been completed. Shut off source of spill if possible to do so without hazard. Prevent mater-

Product Name: RNB-70131

Section: 07 SPILL OR LEAK PROCEDURES CONTINUED

ial from entering sewers or watercourses. Provide adequate ventilation. Contain spilled materials with sand or earth. Recover undamaged and minimally contaminated material for reuse or reclamation. Place all collected material and spill absorbents into DOT approved containers.
Advise authorities. If this product is an EPA hazardous substance (see Section 15), notify the U.S.EPA and/or the National Response Center. Additional notification pursuant to SARA Section 302/304 (40 CFR 355) may also be required.

Waste Disposal Method

Treatment, storage transportation and disposal must be in accordance with EPA or State regulations under authority of the Resource Conservation and Recovery Act (40 CFR 260-271) If product requires disposal, ignitability (D001) would be applicable.

Section: 08 SPECIAL PROTECTIVE INFORMATION

Respiratory Protection

If workplace exposure limit(s) of product or any component is exceeded, an NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure organic vapor type) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

Ventilation

The use of mechanical dilution ventilation is recommended whenever this product is used in confined spaces, is heated above ambient temperatures or is agitated. When applicable, sufficient local ventilation should be provided to maintain employee exposures below safe working limits (TWA's).

Protective Gloves

Neoprene, nitrile, polyvinyl alcohol (PVA), polyvinyl chloride (PVC)

Eye Protection

Chemical splash goggles or face shield in compliance with OSHA regulations is advised; however OSHA regulations also permits safety glasses under certain conditions. The use of contact lenses is not recommended.

Other Protective Equipment

Eye wash and safety shower

Section: 09 SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Product Name: RNB-70131

Section: 09 SPECIAL PRECAUTIONS CONTINUED

Avoid contact with eyes, skin or clothing. Avoid breathing vapors or mist. Keep away from heat, sparks, and open flames and never use a cutting torch on or near container (even empty) or explosion may result. Vapors may travel to areas away from the work site and ignite.

Other Precautions

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Do not transfer to improperly marked container. Do not use pressure to empty container. Do not cut, heat, weld, or expose containers to flame or other sources of ignition. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Containers should be grounded and bonded to receiving container(s) when being emptied. Containers should not be washed out and used for other purposes.
FOR INDUSTRIAL USE ONLY

Section: 10 REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986(SARA) Title III

Section 302/304-Extremely Hazardous Substances (40 CFR 355)

SARA requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). These values are subject to change and the regulations should be consulted to verify current statutory requirements.

Components present in this product at a level which could require reporting under the statute are:

Component Name	RQ	TPQ	% Range
NONE			

Section 311/312 Chemical Inventory Reporting Requirements (40 CFR 370)

The Superfund Amendments and Reauthorization Act (SARA) may require submission of reports (chemical list, MSDS, Tier I & Tier II) to the State Emergency Response Commission, Local Emergency Response Committee and the local fire department. The SARA physical and health hazards related to this product are:

X Acute Health Hazard	_ Sudden Release of Pressure	X Fire
X Chronic Health Hazard	_ Reactive	

Section 313-List of Toxic Chemicals (40 CFR 372)

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the

Product Name: RNB-70131

Section: 10 REGULATORY INFORMATION CONTINUED

Emergency Planning and Community Right-to-Know Act of 1986 (40 CFR 372). This information should be included in all MSDSs that are copied and distributed for this material.

Component Name	CAS #	% Range
ethylbenzene	000100-41-4	< 10%
naphthalene	000091-20-3	< 5%
xylene	001330-20-7	< 5%

CERCLA, 40 CFR 261 AND 302

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center 1-800-424-8802 of any release of a Hazardous Substances equal to or greater than the reportable quantities (RQs) listed in 40CFR 302.4. Values are given in pounds for the component and not the mixture, if applicable. (These values are subject to change and the regulations should be consulted to verify current statutory levels.)

Component Name	CAS #	CERCLA RQ
ethylbenzene	000100 41 4	1000
naphthalene	000091-20-3	100
xylene	001330-20-7	100

OSHA Exposure Limits

Component Name

heavy aromatic distillate
TWA ppm: 100.0 TWA MG/M3: 400.0

petroleum distillate
TWA ppm: 100.0

ethylbenzene
TWA ppm: 100.0 TWA MG/M3: 435.0 STEL ppm: 125.0 STEL MG/M3: 545.0

isopropyl alcohol
TWA ppm: 400.0 TWA MG/M3: 980.0 STEL ppm: 500.0 STEL MG/M3: 1225.0

naphthalene
TWA ppm: 10.0 TWA MG/M3: 50.0 STEL ppm: 15.0 STEL MG/M3: 75.0

xylene
TWA ppm: 100.0 TWA MG/M3: 435.0 STEL ppm: 150.0 STEL MG/M3: 655.0

National Fire Protection Agency

2 Health 3 Fire
0 Reactive ____ Other

Department of Transportation Shipping Information

Proper Shipping Name: Flammable liquids, n.o.s.
Hazard Class: 3 Identification: UN1993
Packaging Group: PG III
Contains: xylene, naphthalene, ethylbenzene
Hazardous Substance RQ: 2000# Emergency Response Guide Number: 128
Labels: Flammable liquid

Product Name: RNB-70131

Section: 10 REGULATORY INFORMATION CONTINUED

Toxic Substances Control Act (TSCA), 40 CFR 261

This product, or components if product is a mixture, is/are listed on the Toxic Substances Control Act (TSCA) inventory.

Section 10 information is to remain attached to the material safety data sheet for this product.

While UNICHEM believes that the above data is correct, UNICHEM expressly disclaims liability for any loss or injury arising out of the use of this information or the use of any materials designated.

END OF MSDS

Product Name: RNB-70131

Section: 11 LABEL INFORMATION

DANGER! FLAMMABLE LIQUID
MAY BE HARMFUL IF SWALLOWED OR INHALED
MAY CAUSE IRRITATION
KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES
IN CASE OF FIRE: USE WATER SPRAY, FOAM, DRY CHEMICAL OR CO2
DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.
AVOID BREATHING VAPORS. KEEP CONTAINER CLOSED.
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

FIRST AID
==========
IN CASE OF SWALLOWING:
CALL A PHYSICIAN IMMEDIATELY. GIVE VICTIM A GLASS OF WATER. DO NOT INDUCE VOMITING UNLESS INSTRUCTED BY A PHYSICIAN OR A POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
IN CASE OF CONTACT:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. CALL A PHYSICIAN. FLUSH SKIN WITH WATER. WASH CLOTHING BEFORE REUSE.
IN CASE OF INHALATION:
REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.
==========

CONTAINER HANDLING AND STORAGE:
KEEP CONTAINER TIGHTLY CLOSED. KEEP CLOSURE UP TO AVOID LEAKAGE. DRUM MUST NOT BE WASHED OUT OR USED FOR OTHER PURPOSES. REPLACE CLOSURE AFTER EACH WITHDRAWAL. DO NOT USE PRESSURE TO EMPTY DRUM. DO NOT TRANSFER THIS MATERIAL TO IMPROPERLY MARKED CONTAINER. KEEP OUT OF REACH OF CHILDREN.

IN CASE OF SPILLAGE:
ABSORB SPILL WITH ENERT MATERIALS (E.G., DRY SAND OR EARTH). PLACE IN A CHEMICAL WASTE CONTAINER. FLUSH SPILL AREA WITH WATER SPRAY. FOR LARGE SPILL, DIKE FOR LATER DISPOSAL.

CONTAINER DISPOSAL:
THIS CONTAINER WILL CONTAIN TRACES OF HAZARDOUS MATERIAL WHEN EMPTIED. DO NOT CUT OR WELD ON EMPTY CONTAINER. FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS FOR DISPOSAL.

EXXON COMPANY, U.S.A.
A DIVISION OF EXXON CORPORATION

DATE ISSUED: 01/24/97
SUPERSEDES DATE: 09/01/95

MATERIAL SAFETY DATA SHEET

EXXON COMPANY, U.S.A. P.O. BOX 2180 HOUSTON, TX 77252-2180

A. IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME
EXXSOL D 80

PRODUCT CODE
133680 - 00680

PRODUCT CATEGORY
Petroleum Solvent

PRODUCT APPEARANCE AND ODOR
Clear water-white liquid
Mild mineral spirits odor

MEDICAL EMERGENCY TELEPHONE NUMBER
(713) 656-3424

B. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
Distillates (petroleum), hydrotreated light	64742-47-8	100%

This product consists predominantly of C12-C14 saturated hydrocarbons.

It includes:		
C11-C15 saturated hydrocarbons	Mixture	Approximately 99%
C11+ aromatics	Mixture	Approximately 1%

This product, as manufactured by Exxon, does not contain polychlorinated biphenyls (PCB's).

All components of this product are listed on the U.S. TSCA inventory.

See Section E for Health and Hazard Information.

See Section H for additional Environmental Information.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

Health	Flammability	Reactivity	BASIS
1	2	0	Recommended by Exxon

EXPOSURE LIMIT FOR TOTAL PRODUCT
300 ppm (2170 mg/m3) for an 8-hour workday

BASIS
Recommended by Exxon

C. PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT
If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

SKIN
In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of

the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

INHALATION
If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen, if available.

INGESTION
If ingested, DO NOT induce vomiting; call a physician immediately.

D. FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (MINIMUM)
COMBUSTIBLE - Per DOT 49 CFR 173.120
76.7°C (170°F)
ASTM D 93, Pensky Martens Closed Cup

AUTOIGNITION TEMPERATURE
Approximately 216°C (421°F)
ASTM E 659

NOTE: The autoignition temperature of this product is relatively low and is reached during laboratory distillation by ASTM Method D 86. Therefore, if the procedure is interrupted, the distillation flask must be cooled before the contents are exposed to air.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION

Health	Flammability	Reactivity	BASIS
1	2	0	Recommended by Exxon

HANDLING PRECAUTIONS
This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

Keep product away from ignition sources, such as heat, sparks, pilot lights, static electricity, and open flames.

FLAMMABLE OR EXPLOSIVE LIMITS (APPROXIMATE PERCENT BY VOLUME IN AIR)
Estimated values: Lower Flammable Limit 1.3% Upper Flammable Limit 8.1%

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES
Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", Tenth Edition (1991):

Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS
Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

"EMPTY" CONTAINER WARNING
"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All

other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

E. HEALTH AND HAZARD INFORMATION

VARIABILITY AMONG INDIVIDUALS
Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

EFFECTS OF OVEREXPOSURE (Signs and symptoms of exposure)
High vapor concentrations (greater than approximately 700 ppm, attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

NATURE OF HAZARD AND TOXICITY INFORMATION
Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

Product contacting the eyes may cause eye irritation.

Product has a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

This product is judged to have an acute oral LD50 (rat) greater than 5 g/kg of body weight, and an acute dermal LD50 (rabbit) greater than 3.16 g/kg of body weight.

At repeated very high oral doses, this product caused reversible damage to the stomach, liver, and kidney (male only) of rats. These effects are not relevent to humans at occupational levels of exposure.

PRE-EXISTING MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE
Petroleum Solvents/Petroleum Hydrocarbons - Skin contact may aggravate an existing dermatitis.

F. PHYSICAL DATA

The following data are approximate or typical values and should not be used for precise design purposes.

BOILING RANGE
209-228°C (408-442°F)

SPECIFIC GRAVITY (15.6°C/15.6°C)
0.80 (6.65 lb/gal)

MOLECULAR WEIGHT
177

pH
Essentially neutral

POUR, CONGEALING OR MELTING POINT
Less than -18°C (0°F)
Pour Point by ASTM D 97

VAPOR PRESSURE
0.2 mm Hg @ 20°C (68°F)
ASTM D 2879

VAPOR DENSITY (AIR = 1)
5.3

PERCENT VOLATILE BY VOLUME
Approximately 50% in 270 minutes @ 1 atm. and 25°C (77°F)

EVAPORATION RATE @ 1 ATM. AND 25°C (77°F) (n-BUTYL ACETATE = 1)
Less than 0.01

SOLUBILITY IN WATER @ 1 ATM. AND 25°C (77°F)
Negligible: 0.0001%

VISCOSITY
2.13 cSt @ 25°C (77°F) ASTM D 445

G. REACTIVITY

This product is stable and will not react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard.

H. ENVIRONMENTAL INFORMATION

CLEAN WATER ACT / OIL POLLUTION ACT
This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills into or leading to surface waters that cause a sheen must be reported to the National Response Center (1-800-424-8802).

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable governmental regulations. Continue to observe precautions for volatile, combustible vapors from absorbed material.

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355 (SARA Sections 301-304)
No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen).

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA Section 313)
No toxic chemical is present greater than 1% or 0.1% (carcinogen).

HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA Sections 311-312)

EPA HAZARD CLASSIFICATION CODE:	Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard	Not Applicable
			XXX			

I. PROTECTION AND PRECAUTIONS

VENTILATION
Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking, or use of flame or other ignition sources.

RESPIRATORY PROTECTION
Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

PROTECTIVE GLOVES
Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION
Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT
Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated

skin contact.

WORK PRACTICES / ENGINEERING CONTROLS
Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. To prevent fire or explosion risk from static accumulation and discharge, effectively ground product transfer system in accordance with the National Fire Protection Association standard for petroleum products.

In order to prevent fire or explosion hazards, use appropriate equipment.

Information on electrical equipment appropriate for use with this product may be found in the latest edition of the National Electrical Code (NFPA-70). This document is available from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269.

PERSONAL HYGIENE
Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before re-use. Remove contaminated shoes and thoroughly clean and dry before re-use. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

J. TRANSPORTATION AND OSHA RELATED LABEL INFORMATION

TRANSPORTATION INCIDENT INFORMATION
For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents.

U.S. DOT HAZARDOUS MATERIALS SHIPPING DESCRIPTION
Bulk packagings (capacity greater than 119 gallons)
Petroleum Distillate, n.o.s., Combustible Liquid, UN 1268, III

Non-bulk packagings (capacity less than or equal to 119 gallons)
Not regulated

OSHA REQUIRED LABEL INFORMATION
In compliance with hazard and right-to-know requirements, where applicable OSHA Hazard Warnings may be found on the label, bill of lading or invoice accompanying this shipment.

DANGER!

COMBUSTIBLE

Note: Product label may contain non-OSHA related information also.

The information and recommendations contained herein are, to the best of Exxon's knowledge and belief, accurate and reliable as of the date issued. Exxon does not warrant or guarantee their accuracy or reliability, and Exxon shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal counsel should be consulted to insure proper health, safety and other necessary information is included on the container.

The Environmental Information included under Section H hereof as well as the Hazardous Materials Identification System (HMIS) and National Fire Protection

Association (NFPA) ratings have been included by Exxon Company, U.S.A. in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with Exxon's interpretation of the available data.

FOR LUBRICANTS TECHNICAL ASSISTANCE CALL: 1-800-443-9966

FOR FUELS TECHNICAL ASSISTANCE CALL: 713-656-4955

FOR AN MSDS OR ASSISTANCE WITH AN MSDS, DIRECT INQUIRIES TO THE ADDRESS BELOW OR CALL:

MARKETING TECHNICAL SERVICES
EXXON COMPANY, U.S.A.
ROOM 2344
P. O. BOX 2180
HOUSTON, TX 77252-2180
(713) 656-5949

IF YOU HAVE AN IMMEDIATE NEED FOR AN MSDS, DIAL 1-800-298-4007 FOR A FAXED COPY.

TRIBOL -- MOLUB-ALLOY MWO 30-100
MATERIAL SAFETY DATA SHEET
NSN: 915000N054112
Manufacturer's CAGE: 00468
Part No. Indicator: A
Part Number/Trade Name: MOLUB-ALLOY MWO 30/100

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General Information

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Company's Name: TRIBOL
Company's Street: 4801 W 147TH ST
Company's City: HAWTHORNE
Company's State: CA
Company's Country: US
Company's Zip Code: 90250-6795
Company's Emerg Ph #: 310-679-0271;800-424-9300(CHEMTREC)
Company's Info Ph #: 800-561-3636
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 30OCT92
Safety Data Review Date: 28SEP95
MSDS Serial Number: BVWFF
Hazard Characteristic Code: N1

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: SOLVENT-REFINED &/OR HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES CONTAINING INGS 2-4. LD50: (ORAL, RAT) > 5 G/KG
Ingredient Sequence Number: 01
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: 5 MG/M3 MIST (MFR)
ACGIH TLV: 5 MG/M3 MIST (MFR)

Proprietary: NO
Ingredient: MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT REFINED (SEVER HEAVY NAPHTHENIC
Ingredient Sequence Number: 02
NIOSH (RTECS) Number: PY8040001
CAS Number: 64741-96-4
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: MINERAL OIL,HYDROTREATED (SEVERE), HEAVY NAPHTHENIC DISTI
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: PY8035001
CAS Number: 64742-52-5
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (SEVERE) LIGHT NAPHTHENIC; (MINERAL OIL)
Ingredient Sequence Number: 04
NIOSH (RTECS) Number: PY8036001
CAS Number: 64742-53-6
OSHA PEL: 5 MG/M3 (OIL MIST)
ACGIH TLV: 5 MG/M3 (OIL MIST)

Proprietary: NO
Ingredient: SULFURIZED VEGETABLE OIL
Ingredient Sequence Number: 05
Percent: 3-7
NIOSH (RTECS) Number: 1000606VO
CAS Number: 68990-64-7
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: SUPDAT: ASPIRATION (W/VOMITUS) INTO THE LUNGS MAY CAUSE PULMONARY INJURY & MAY BE FATAL.
Ingredient Sequence Number: 06
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: FIRST AID PROC: NEVER GIVE ANYTHING BY MOUTH TO UNCON PER AS W/ALL ACCIDENTAL CHEM INGESTS, USE ALL AVAIL (ING 8)
Ingredient Sequence Number: 07
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 7: PREC TO PVNT ASPIR OF VOMITUS INTO LUNGS, WHICH MA FATAL. POSITION PATIENT'S HEAD SO AS TO FACILITATE (ING 9)
Ingredient Sequence Number: 08
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
INTUBATE THE STOMACH. ASPIRATE THE PHARYNX AS (ING 10)
Ingredient Sequence Number: 09
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 9: REGULARLY AS POSSIBLE TO REMOVE GAGGED OR VOMITED STOMACH CONTENT.
Ingredient Sequence Number: 10

NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: SPILL PROC: ALL WASTE CNTNRS APPROP, INCL ALL APPLIC HAZ SYMBOLS. IS SPILL ENTERS U.S. NAVIGABLE WATERS, THE (ING 12)
Ingredient Sequence Number: 11
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 11: CONTIGUOUS ZONE OR ADJOINING SHORELINES, NOTIFY C GUARD NATIONAL RESPONSE CENTER (800-424-8802).
Ingredient Sequence Number: 12
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: HNDLG/STOR PREC: 49C/120F AWAY FROM ALL IGNIT SOURCES & INCOMPAT MATLS.
Ingredient Sequence Number: 13
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: OTHER PREC: UNDUE EXPOS TO SPRAYS, MISTS/VAPS THAT MAY BE INADVERTENTLY GENERATED AT ELEVATED TEMPS.
Ingredient Sequence Number: 14
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: HYGIENE PRAC: SPILLS, TO PVNT ACCIDENTAL SLIPPING. DO NOT CONTACT LENSES IN WORK AREA.
Ingredient Sequence Number: 15
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
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Physical/Chemical Characteristics

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Appearance And Odor: DARK GREY OR BLACK LIQUID. CHARACTERISTIC ODOR.
Vapor Pressure (MM Hg/70 F): SUPDAT
Vapor Density (Air=1): SUPDAT
Specific Gravity: 0.91
Evaporation Rate And Ref: SUPDAT
Solubility In Water: NEGLIGIBLE
pH: N/A

Fire and Explosion Hazard Data

Flash Point: >360F,>182C
Flash Point Method: COC
Extinguishing Media: DRY CHEMICAL, WATER FOG, CHEMICAL FOAM OR CARBON DIOXIDE. DIRECT WATER-STREAM MAY CAUSE FROTHING.
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). USE WATER TO COOL FIRE-EXPOSED CONTAINER
Unusual Fire And Expl Hazrds: NONE KNOWN.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): PROLONGED EXPOSURE TO ELEVATED TEMPERATURE
Materials To Avoid: STRONG OXIDIZERS, ACIDS AND ALKALIES.
Hazardous Decomp Products: SMOKE & TOX GASES INCL ALDEHYDES, HYDROGEN SULFIDE (H*2S) & OXIDES OF MOLYBDENUM, PHOSPHORUS, CARBON, SULFUR & NITROGEN.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50-LC50 Mixture: SEE INGREDIENT 1
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: ACUTE: SKIN: MAY CAUSE IRRIT. EYES: PRO VAPS & MIST MAY CAUSE IRRIT & BURNING. INHAL: VAPS MAY IRRIT MUC MEMB MOUTH, NOSE & THROAT. INTENSE &/OR PRLNG EXPOS TO VAP CONC EXCEEDING PEL MAY CAUSE HDCH, NAUS & VOMIT. OIL VAPS MAY ACCUM IN LUNGS & MAY C CHEM PNEUM. INGEST: VIA MINOR CONTAM OF (EFTS OF OVEREXP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT
Signs/Symptoms Of Overexp: HLTH HAZ: FINGERS/FOOD IS NOT LIKELY TO CA SIGNIFICANT GI DISCOMFORT/ADVERSE EFT. HOWEVER, ASPIR(W/VOMITUS) INTO MAY CAUSE MILD TO SEV PULM INJURY & MAY BE FATAL. CHRONIC: SKIN: PRLN CNTCT TENDS TO REMOVE NATRL SKIN OIL & MAY CAUSE IRRIT, RASH & POSS D EYES: PROD, VAPS & MIST MAY CAUSE IRRIT (SUPDAT)
Med Cond Aggravated By Exp: EXISTING CHRONIC DERMAL, RESPIRATORY AND POSSIBLY GASTROINTESTINAL DISEASES.
Emergency/First Aid Proc: SKIN: WIPE OFF, THEN WASH THORO W/SOAP & WA EYES: FLUSH IMMED W/WATER FOR AT LEAST 15 MIN, OCCAS LIFTING EYELID. PROMPT MED ATTN. INHAL: IMMED REMOVE TO FRESH AIR. IF BRTHG IS DFCLT, OXYGEN. IF BRTHG STOPS, ADMIN ARTF RESP. KEEP WARM & QUIET & GET PROM ATTN. INGEST: IF CONSCIOUS, GIVE 1-2 GLASSES OF MILK/WATER TO DILUTE CONTENT. DO NOT PHYSICALLY INDUCE VOMIT. (ING 7)

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR ADEQ PROT & ELIM ALL SOURCES OF IG STOP LEAK IF IT CAN BE SAFELY DONE. VENT AREA & DIKE SPILL TO PVNT EN INTO SEWER/WATERCOURSES. SUCTION/SCOOP SPILL INTO APPROP DISP/RECYCLI VESSELS THEN COVER SPILL AREA W/OIL-ABSORB. LABEL (ING 11)
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: DISPOSE OF WASTE I/A/W APPLIC FED, STATE & LOC & REGS. (SERVICES OF LICENSED HAZ WASTE-DISP FACILITIES MAY BE UTILIZ IT IS USER'S RESPONSIBILITY TO COMPLY W/U.S. CLEAN AIR ACT, CLEAN WAT & RESOURCE CONSERVATION & RECOVERY ACT.
Precautions-Handling/Storing: EXERCISE PRUDENT PREC TO AVOID ACCIDENT SPILL, FOOD CONTAM, VAP/MIST INHAL, EYE/SKIN CNTCT & IGNIT OF PROD. S IN CLEAN, DRY AREA BELOW (ING 13)
Other Precautions: THIS PROD DOES NOT CONSTITUTE HLTH/PHYSICAL HAZ DU NORM INDUS USE W/IN ESTABLISHED OSHA STDS. THEREFORE, NO SPECIAL PERS PROT EQUIP IS NORM REQD. AS IN ALL INDUS APPLICATNS, ADEQ VENT & GOOD HYGIENIC PRACT ADVISABLE. AVOID (ING 14)

Control Measures

Respiratory Protection: NIOSH/MSHA APPROVED SUPPLIED AIR RESPIRATOR O SELF-CONTAINED BREATHING APPARATUS.
Ventilation: GEN VENT, NORMALLY ADEQ, SHOULD BE AUGMENTED W/LOC EXHST WHENEVER TLV/PEL EXCEEDED/WORKER DISCOMFORT REPORTED/OBSERVED.
Protective Gloves: OIL-IMPERVIOUS & SOLV-RESIST (NEOPRENE).
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).
Other Protective Equipment: OIL-IMPERVIOUS (E.G. NEOPRENE) APRON/PREF COVERALLS, SHOE COVER W/ANTI-SLIP SOLE CONSTRUCTION. OTHER PROT AS NE
Work Hygienic Practices: WASH HANDS BEFORE EATING/SMOKING. DO NOT SMO WORK AREA. PROMPTLY REMOVE CONTAMD CLTHG. IMMED CLEAN UP ANY (ING 15)
Suppl. Safety & Health Data: VP: FOR BASE OIL:<1 @ 20C. VAP DENS: FOR MAY PRDCE SAME SYMPS & EFTS AS W/ACUTE INHAL. INGEST: IN NORM COURSE INDUS USE, INGEST OF LG QTYS OF PROD UNLIKELY. NEVERTHELESS, INGEST M IRRIT GI TRACT & MAY CAUSE NAUS & VOMIT. (ING 6)

Transportation Data

Disposal Data

Label Data

Label Required: YES
Technical Review Date: 12OCT94
Label Date: 12OCT94
Label Status: G
Common Name: MOLUB-ALLOY MWO 30/100
Chronic Hazard: YES
Signal Word: CAUTION!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-Slight: X
Reactivity Hazard-None: X

PRODUCT, VAPORS & MIST MAY CAUSE IRRITATION & BURNING. INHAL: VAPORS IRRITATE MUCOUS MEMBRANES OF MOUTH, NOSE & THROAT. INTENSE &/OR PROLO EXPOSURE TO VAPOR CONCENTRATIONS EXCEEDING TLV/PEL MAY CAUSE HEADACHE NAUSEA & VOMITING. OIL VAPORS MAY ACCUMULATE IN LUNGS & MAY CAUSE CHE PNEUMONITIS. INGEST: ASPIRATION INTO LUNGS MAY CAUSE MILD TO SEVERE L INJURY. CHRONIC: EYES/SKIN/INGEST: IRRITATION. INHAL: HEADACHE, NAUSE VOMIT, IRRITATION OF MUCOUS MEMBRANES.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: TRIBOL
Label Street: 4801 W 147TH ST
Label City: HAWTHORNE
Label State: CA
Label Zip Code: 90250-6795
Label Country: US
Label Emergency Number: 310-679-0271;800-424-9300(CHEMTREC)

EXXON CHEMICAL AMERICAS DIV OF EXXON CHEMICAL -- GASOLINE, UNLEADED (
MATERIAL SAFETY DATA SHEET
NSN: 9130001487103
Manufacturer's CAGE: 29700
Part No. Indicator: A
Part Number/Trade Name: GASOLINE, UNLEADED (ALL GRADES)

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General Information

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Item Name: GASOLINE, AUTOMOTIVE
Company's Name: EXXON CHEMICAL AMERICAS, DIV OF EXXON CHEMICAL CO
Company's Street: 800 BELL STREET
Company's P. O. Box: 3272
Company's City: HOUSTON
Company's State: TX
Company's Country: US
Company's Zip Code: 77001
Company's Emerg Ph #: 713-870-6000
Company's Info Ph #: 713-870-6885 (HEALTH/SAFETY)
Record No. For Safety Entry: 061
Tot Safety Entries This Stk#: 119
Status: SE
Date MSDS Prepared: 02DEC91
Safety Data Review Date: 29APR93
Supply Item Manager: KY
MSDS Preparer's Name: UNKNOWN
MSDS Serial Number: BGWLJ
Specification Number: VV-G-1690
Spec Type, Grade, Class: GR REGULAR,ALL CLAS
Hazard Characteristic Code: F2
Unit Of Issue: GL
Unit Of Issue Container Qty: AS SPECIFIED
Type Of Container: BULK
Net Unit Weight: UNKNOWN

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: NAPHTHA (PETROLEUM), LIGHT CATALYTIC CRACKED
Ingredient Sequence Number: 01
NIOSH (RTECS) Number: 1009050KT
CAS Number: 64741-55-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: NAPHTHA (PETROLEUM), HEAVY CATALYTIC CRACKED
Ingredient Sequence Number: 02
Percent: UNKNOWN
NIOSH (RTECS) Number: 1009051KT
CAS Number: 64741-54-4

OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: NAPHTHA, FULL RANGE REFORMED
Ingredient Sequence Number: 03
Percent: UNKNOWN
NIOSH (RTECS) Number: 1005114NF
CAS Number: 68919-37-9
OSHA PEL: NOT ESTABLISHED.
ACGIH TLV: NOT ESTABLISHED.
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: NAPHTHA (PETROLEUM), FULL-RANGE ALKYLATE
Ingredient Sequence Number: 04
Percent: UNKNOWN
NIOSH (RTECS) Number: 1009052KT
CAS Number: 64741-64-6
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: NAPHTHA (PETROLEUM), SWEETENED
Ingredient Sequence Number: 05
Percent: UNKNOWN
NIOSH (RTECS) Number: 1009053KT
CAS Number: 64741-87-3
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: BUTANE
Ingredient Sequence Number: 06
Percent: UNKNOWN
NIOSH (RTECS) Number: EJ4200000
CAS Number: 106-97-8
OSHA PEL: 800 PPM
ACGIH TLV: 800 PPM; 9293
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: ADDITIVES
Ingredient Sequence Number: 07
Percent: UNKNOWN
NIOSH (RTECS) Number: 1000144AD
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: EXXON LISTED THE FOLLOWING CHEMICALS FOR SARA III REPORTI
THIS PRODUCT MAY CONTAIN THE APPROXIMATE AMOUNTS INDICATED.
Ingredient Sequence Number: 08
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: BENZENE (SARA III)
Ingredient Sequence Number: 09
Percent: 4.9
NIOSH (RTECS) Number: CY1400000
CAS Number: 71-43-2
OSHA PEL: 1PPM/5STEL;1910.1028
ACGIH TLV: 10 PPM; A2; 9293
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: CUMENE (SARA III)
Ingredient Sequence Number: 10
Percent: 0.3
NIOSH (RTECS) Number: GR8575000
CAS Number: 98-82-8
OSHA PEL: S, 50 PPM
ACGIH TLV: S, 50 PPM; 9293
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: CYCLOHEXANE (SARA III)
Ingredient Sequence Number: 11
Percent: 0.5
NIOSH (RTECS) Number: GU6300000
CAS Number: 110-82-7
OSHA PEL: 300 PPM
ACGIH TLV: 300 PPM, 9293
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: ETHYL BENZENE (SARA III)
Ingredient Sequence Number: 12
Percent: 2.5
NIOSH (RTECS) Number: DA0700000
CAS Number: 100-41-4
OSHA PEL: 100 PPM/125 STEL
ACGIH TLV: 100 PPM/125STEL 9293
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: METHYL TERT-BUTYL ETHER (SARA III)
Ingredient Sequence Number: 13
Percent: 6.0

NIOSH (RTECS) Number: KN5250000
CAS Number: 1634-04-4
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: NAPHTHALENE (SARA III)
Ingredient Sequence Number: 14
Percent: 0.7
NIOSH (RTECS) Number: QJ0525000
CAS Number: 91-20-3
OSHA PEL: 10 PPM/15 STEL
ACGIH TLV: 10 PPM/15 STEL; 9293
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: TOLUENE (SARA III)
Ingredient Sequence Number: 15
Percent: 16
NIOSH (RTECS) Number: XS5250000
CAS Number: 108-88-3
OSHA PEL: 200 PPM/150 STEL
ACGIH TLV: 50 PPM; 9293
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: XYLENES (O-,M-,P- ISOMERS) (SARA III)
Ingredient Sequence Number: 16
Percent: 10
NIOSH (RTECS) Number: ZE2100000
CAS Number: 1330-20-7
OSHA PEL: 100 PPM/150 STEL
ACGIH TLV: 100 PPM/150STEL;9293
Other Recommended Limit: NONE RECOMMENDED
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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR LIQUID WITH GASOLINE ODOR.
Boiling Point: >70F,>21C
Melting Point: -36F,-38C
Vapor Pressure (MM Hg/70 F): 400
Vapor Density (Air=1): 5
Specific Gravity: 0.74
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: 10.5(N-BUTYL ACETATE=1)
Solubility In Water: NEGLIGIBLE
Percent Volatiles By Volume: 100
Viscosity: UNKNOWN
pH: 7
Corrosion Rate (IPY): UNKNOWN
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Fire and Explosion Hazard Data

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Flash Point: -36F,-38C
Flash Point Method: TCC
Lower Explosive Limit: 1.4
Upper Explosive Limit: 7.6
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEM
Special Fire Fighting Proc: WATER MAY BE INEFFECTIVE ON FLAMES, BUT S BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL. LARGE FIRES, SUCH AS TA FIRES, SHOULD BE FOUGHT WITH CAUTION.
Unusual Fire And Expl Hazrds: HIGHLY VOLATILE MATERIAL. FLOWING GASOL CAN BE IGNITED BY SELF-GENERATED STATIC ELECTRICITY. VAPORS MAY TRAVE ALONG THE GROUND TO A REMOTE IGNITION SOURCE.

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): HIGH HEAT, OPEN FLAMES AND OTHER SOURCES O IGNITION
Materials To Avoid: STRONG OXIDIZING AGENTS
Hazardous Decomp Products: BURNING OR EXCESSIVE HEATING MAY PRODUCE C MONOXIDE AND OTHER HARMFUL GASES/VAPORS.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

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Health Hazard Data

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LD50-LC50 Mixture: ORAL LD50 (RAT) IS >5G/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: INHALATION: MODERATE RISK OF VAPOR DEFATTING WITH DRYING AND CRACKING CAN LEAD TO DERMATITIS AND SECONDA INFECTION. EYE: IRRITANT. INGESTION: BURNING OF MOUTH AND UPPER GI TR VOMITING AND DIARRHEA. PROLONGED OR REPEATED CONTACT: DERMATITIS.
Carcinogenicity - NTP: YES
Carcinogenicity - IARC: YES
Carcinogenicity - OSHA: YES
Explanation Carcinogenicity: CONTAINS Benzene [71-43-2] WHICH IS LIST NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.
Signs/Symptoms Of Overexp: INHALATION MAY CAUSE EUPHORIA, LUNG IRRITA AND EDEMA, HEADACHE, DIZZINESS, DROWSINESS, CONVULSIONS, COMA, CYANOS GENERALIZED DEPRESSION. INGESTION MAY CAUSE GENERAL DEPRESSION, SEDAT RESPIRATORY DEPRESSION, COMA.
Med Cond Aggravated By Exp: MAY AGGRAVATE PRE-EXISTING DERMATITIS, RESPIRATORY ILLNESS, OR OTHER CONDITIONS WHICH HAVE THE SAME SYMPTOMS EFFECTS AS STATED ABOVE.
Emergency/First Aid Proc: EYES: FLUSH WITH RUNNING WATER FOR 15 MINUT WHILE HOLDING EYELIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. FOR RESPIRATORY DISTRESS, GIVE AIR, OXYGEN, OR CPR IF NECESSARY. INGESTION: DO NOT IN VOMITING. KEEP HEAD BELOW HIPS IF VOMITING OCCURS TO PREVENT ASPIRATI INTO LUNGS. GET MEDICAL ATTENTION IF REQUIRED IN ALL CASES.

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Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SMALL: TAKE UP WITH NON COMBUSTIBLE ABSORBENT SUCH AS FULLERS EARTH OR SAND. PLACE INTO CONTAINERS FOR LA DISPOSAL. LARGE: CONTAIN SPILL IN EARTHEN DIKES FOR LATER RECOVERY. C IGNITION SOURCES AROUND SPILL AREA. REPORT SPILLS AS REQUIRED.
Neutralizing Agent: NOT APPLICABLE
Waste Disposal Method: IT IS THE RESPONSIBILITY OF THE USER TO DETERM IF THE MATERIAL IS A HAZARDOUS WASTE AT THE TIME OF DISPOSAL. CHECK B DISPOSING TO BE SURE YOU ARE IN COMPLIANCE WITH ALL APPLICABLE LAWS A REGULATIONS. CHEMTREC/RCRA EMER. NO.:800-424-9346
Precautions-Handling/Storing: AVOID STATIC IGNITION HAZARD WHEN TRANSFERRING MATERIAL. KEEP CONTAINERS CLOSED AND AWAY FROM HEAT & IG SOURCES! DO NOT USE AS CLEANING AGENT.
Other Precautions: EMPTY CONTAINERS RETAIN SOME LIQUID/VAPOR RESIDUES HAZARD PRECAUTIONS MUST BE OBSERVED WHEN HANDLING EMPTIES. KEEP OUT O REACH OF CHILDREN! DO NOT USE ANY HYDROCARBON FUEL IN SPACES WITHOUT ADEQUATE VENTILATION. USE ONLY AS A FUEL.

Control Measures

Respiratory Protection: A NIOSH/MSHA APPROVED ORGANIC VAPOR RESPIRATO SUPPLIED AIR, OR SELF-CONTAINED BREATHING APPARATUS (SCBA) MUST BE US WHEN VAPOR CONCENTRATIONS EXCEED THE OCCUPATIONAL EXPOSURE LIMITS.
Ventilation: USE ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATIONS OF MATERIAL BELOW THE OCCUPATIONAL EXPOSURE LIMITS.
Protective Gloves: WEAR OIL IMPERVIOUS (EG: NITRILE) GLOVES
Eye Protection: USE CHEMICAL SAFETY GOGGLES & FACESHIELD
Other Protective Equipment: OIL IMPERVIOUS INDUSTRIAL WORK CLOTHING T MINIMIZE SKIN CONTACT. EYE BATH AND SAFETY SHOWER RECOMMENDED.
Work Hygienic Practices: USE GOOD PERSONAL HYGIENE. USE WATERLESS HAN CLEANER TO WASH EXPOSED SKIN. LAUNDER CONTAMINATED CLOTHING BEFORE RE
Suppl. Safety & Health Data: THE VARIABLE COMPOSITION MAKES IT IMPOSS TO SET A SPECIFIC EXPOSURE LIMIT FOR ALL COMPOSITIONS OF THIS MATERIA SPECIFIC EXPOSURE LIMITS FOR POTENTIAL COMPONENTS SUCH AS BENZENE SHO APPLIED BASED ON AIR MONITORING TO ASSURE EMPLOYEES ARE NOT EXPOSED T EXCESSIVE VAPOR LEVELS OF COMPONENTS.

Transportation Data

Trans Data Review Date: 93119
DOT PSN Code: GTN
DOT Proper Shipping Name: GASOLINE
DOT Class: 3
DOT ID Number: UN1203
DOT Pack Group: II
DOT Label: FLAMMABLE LIQUID
IMO PSN Code: HRV
IMO Proper Shipping Name: GASOLINE
IMO Regulations Page Number: 3141
IMO UN Number: 1203
IMO UN Class: 3.1
IMO Subsidiary Risk Label: -

IATA PSN Code: MUC
IATA UN ID Number: 1203
IATA Proper Shipping Name: GASOLINE
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: MUC
AFI Prop. Shipping Name: GASOLINE
AFI Class: 3
AFI ID Number: UN1203
AFI Pack Group: II
AFI Basic Pac Ref: 7-7
Additional Trans Data: NONE

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Disposal Data

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Label Data

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Label Required: YES
Technical Review Date: 29APR93
MFR Label Number: NOT APPLICABLE
Label Status: F
Common Name: GASOLINE, UNLEADED (ALL GRADES)
Signal Word: DANGER!
Acute Health Hazard-Moderate: X
Contact Hazard-Slight: X
Fire Hazard-Severe: X
Reactivity Hazard-None: X
Special Hazard Precautions: INHALATION: MODERATE RISK OF VAPOR INTOXICATION. SKIN: DEFATTING WITH DRYING AND CRACKING CAN LEAD TO DERMATITIS AND SECONDARY INFECTION. EYE: IRRITANT. INGESTION: BURNING MOUTH AND UPPER GI TRACT, VOMITING AND DIARRHEA. PROLONGED OR REPEATE CONTACT: DERMATITIS. AVOID STATIC IGNITION HAZARD WHEN TRANSFERRING MATERIAL. KEEP CONTAINERS CLOSED AND AWAY FROM HEAT & IGNITION SOURCE NOT USE AS CLEANING AGENT. IN CASE OF SPILL: SMALL: TAKE UP WITH NON COMBUSTIBLE ABSORBENT SUCH AS FULLERS EARTH OR SAND. PLACE INTO CONTA FOR LATER DISPOSAL. LARGE: CONTAIN SPILL IN EARTHEN DIKES FOR LATER RECOVERY. CONTROL IGNITION SOURCES AROUND SPILL.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: EXXON CHEMICAL AMERICAS, DIV OF EXXON CHEMICAL CO
Label Street: 800 BELL STREET
Label P.O. Box: 3272
Label City: HOUSTON
Label State: TX
Label Zip Code: 77001
Label Country: US
Label Emergency Number: 713-870-6000

American Cleaning Systems, Inc.
PO Box 7252
Odessa, TX 79760
(915)-381-3740

Material Safety Data Sheet

AMERICAN CLEANING SYSTEMS, INC.

Date entered 2/2/[illegible]
Date revised 7/8/99

Emergency Numbers
Medical (800)-424-8891
Transportation (800)-424-9300

Section 1 PRODUCT IDENTIFICATION

(1.) Product Name: **Mean Green**

Product Number: ____
EPA Reg. No: ____
EPA Est. No: ____

(3.) Chemical name/synonyms: n/a (4). Chemical family: alkaline detergent (5.) Chemical formula: mixture

(6.) NFPA acute hazard rating: Health: 1 Flammability: 0 Reactivity: 0 Preparer's Name: Bill Lyon Phone: (800)-824-8891
HMIS

Personal Protective Equipment: Face shield, gloves

Section 2 CHEMICAL COMPOSITION

Note: List all CERCLA hazardous substances at 1% or greater and carcinogens at 0.1% or greater.

(1.) Ingredient:	(2.) SARA Note 313:	(3.) CAS Number:	(4.) % Range	(5.) PEL:	(6.) LD50:	(7.) TLV:
Sodium metasilicate	No	6834-92-0	2.50%	n/a	n/a	2mg/m³
Alkylphenol ethoxylate	No	9016-45-9	2.0%	n/a	3.31 g/kg	n/a
2-butoxyethanol	Yes	000111-76-2	6.0%	25 ppm TWA	1519 mg/kg	121 ppm TWA
Citric Acid			1.0%			

Note Balance 89.5% Non hazardous

Section 3 PHYSIOLOGICAL EFFECTS

(1.) Primary route(s) of entry into body: (2.) Eyes: ___ (3.) Skin: x (4.) Inhalation: ___ (5.) Ingestion: ___
(6.) Acute effects:
(7.) Eyes: tissue irritation and damage, swelling, blurred vision
(8.) Skin: tissue irritation, redness
(9.) Inhalation: tissue irritation, shortness of breath
(10.) Ingestion: some irritation, some swelling of the abdomen, nausea
(11.) Chronic effects: not known

Section 4 EMERGENCY AND FIRST AID PROCEDURES

(1.) Eyes: rinse for 15 minutes with potable water, if irritation persists, seek medical attention.
(2.) Skin: rinse for 15 minutes with potable water, if irritation persists, seek medical attention.
(3.) Inhalation: remove victim to fresh air, if symptoms persist, seek medical attention.
(4.) Ingestion: do not induce vomiting, give large amounts of potable water while seeking immediate medical attention.
(5.) Special instructions to physician: none

Section 5 FIRE AND EXPLOSION HAZARD DATA

(1.) Flash point: none (2.) Method: TCC (3.) Flammable limits in air: none (4.) Autoignition temperature: not known
(5.) Suitable extinguishing media: water, foam or CO2 (6.) Hazardous combustion byproducts: carbon monoxide
(7.) Rec. fire fighting procedures: normal procedures (8.) Unusual fire explosion hazards: none

Section 6 ENVIRONMENTAL INFORMATION

(1.) Spill or leak procedures:
(2.) Small spill leak: stop leak, neutralize material with mild base, mop or vacuum to disposal container or rinse to sanitary sewer
(3.) Large spill leak: stop leak, neutralize material with mild base, mop or vacuum to disposal container then rinse remainder to sanitary sewer
(4.) Split reportable quantity: none pounds.
(5.) Waste disposal method: follow local, state and federal guidelines.
(6.) EPA appropriate waste classification: none
(7.) RCRA appropriate characteristic waste: no (8.) If so EPA hazardous waste number: n/a
(9.) RCRA appropriate listed waste: No (10.) If so EPA hazardous waste number: n/a
(11.)) non RCRA regulated waste: No
(12.) Procedure for handling empty containers: do not reuse. Give container to drum licensed drum reconditioner
(13.) Environmental toxicity data: BIODEGRADABLE
(14.) Other regulatory controls: none

(15.) Is material classified under the CLEAN WATER ACT (USA) or appropriate water regulations as a:
(16.) Toxic pollutant (section 307): No
(17.) Hazardous substance (section 311)?: No
(18.) If yes, reportable quantity (R.Q.): n/a
(19.) Is material classified under the CLEAN AIR ACT (USA) or appropriate CLEAN AIR regulations as a:
(20.) Hazardous air pollutant section (12)?: No
(21.) Comments: biodegradable

Section 7 STORAGE AND HANDLING PRECAUTIONS

(1.) Storage: store at temperatures below 120° F and above 32° F.
(2.) Handling: wear chemical resistant gloves, apron, boots and full face shield when handling concentrate
(3.) Precautionary labeling: none

Section 8 OCCUPATIONAL CONTROL PROCEDURES

(1.) Ventilation: (2.) local exhaust ___ (3.) general exhaust X (4.) none required ____
(5.) Personal protective equipment:
(6.) Respirator type: none required
(7.) Gloves: (8.) Natural rubber: ____ (9.) plastic: ____ (10.) nitrite: ____ (11.) neoprene: X (12.) butyl: ____ (13.) other: ____
(14.) Eye protection: (15.) glasses with side shield: X (16.) full face shield: ___ (17.) chemical splash goggles: ____ (18.) other: ____

Section 9 PHYSICAL DATA

(1.) Appearance: clear emerald green liquid (3.) Physical state: (4.) solid: ____ (5.) liquid: X (6.) gas: ____
(2.) Odor: alcohol type odor (7.) Boiling Point: 212 F (8.) Freeze Point: 32 F
(9.) Specific Gravity: 1.059 (10.) pH Neat: 10 (11.) pH 1%: 10 (12.) % Solids: 14.6% (13.) # Volatiles: 85.4%
(14.) Solubility Water: complete (15.) Vapor pressure: n/a (16.) Vapor density: n/a (17.) Evaporation rate: >1
(18.) VOC Less Exempt (theoretical): .53 lbs./gel (19.) VOC As Packaged (theoretical): .53 lbs./gel

Section 10 REACTIVITY DATA

(1.) Thermal stability: Stable
(2.) Condition to avoid: extreme high heat
(3.) Hazardous decomposition products:
(4.) Hazardous polymerization: may occur: ____ will not occur: X
(6.) Materials to avoid: strong oxidizers, acids
(7.) Corrosive action on materials: none

Section 11 TOXICOLOGICAL INFORMATION

(1.) Summary of health effects:

When atomized, this product may irritate mucus membranes and cause coughing and congestion. This product will defat the skin. Those users that are skin reactive to chemicals should certainly wear loves to protect the skin.

Section 12 SHIPPING REQUIREMENTS

(1.) Indicate country/regulatory agency which specifies requirements: USA-DOT
(2.) Proper Shipping name:
Compound, Cleaning, Liquid, N O I B N , , Item Name: Mean Green
(3.) Hazardous class: n/a (4.) Identification number: n/a (5.) Packaging group: n/a (6.) Emergency response guide number: n/a
(7.) Labels required: none
(8.) Other requirements: none
(9.) Note: none

Product Name: Mean Green

Product Number: ____

n/d = not determined; n/a = not applicable

Syn oil

TRIBOL -- 890 HEAVY SYNTHETIC COMPRESSOR OIL
MATERIAL SAFETY DATA SHEET
NSN: 915000N048995
Manufacturer's CAGE: 00468
Part No. Indicator: A
Part Number/Trade Name: 890 HEAVY SYNTHETIC COMPRESSOR OIL

==========

General Information

==========

Company's Name: TRIBOL
Company's Street: 4801 W 147TH ST
Company's City: HAWTHORNE
Company's State: CA
Company's Country: US
Company's Zip Code: 90250-6795
Company's Emerg Ph #: 310-679-0271 323-562-9310
Company's Info Ph #: 310-679-0271
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 13OCT92
Safety Data Review Date: 01JUL94
MSDS Serial Number: BVHTS
Hazard Characteristic Code: NK

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: SYNTHETIC ESTERS CONTAINING ING 2 & 3
Ingredient Sequence Number: 01
Percent: 90-99
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: SYNTHETIC ESTERS
Ingredient Sequence Number: 02
NIOSH (RTECS) Number: 1002816SE
CAS Number: 119-06-2
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: TAR ACIDS, CRESYLIC, PHENYL, PHOSPHATE DIMETHYLMETHYLPHEN METHOXY SILICONE POLYMER; (SYNTHETIC ESTERS)
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: 1003172TP
CAS Number: 68952-35-2
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: PERFORMANCE ADDITIVES
Ingredient Sequence Number: 04
NIOSH (RTECS) Number: 1004387PA
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: SUPDAT: POSITION PATIENT'S HEAD SO AS TO FACILITATE EXPUL OF VOMITUS. GET PROMPT MED ATTN. NOTE TO MD: (ING 6)
Ingredient Sequence Number: 05
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 5: INTUBATE STOMACH. ASPIRATE THE PHARYNX AS REGULARL POSS TO MOVE GAGGED/VOMITED STOMACH CONTENT.
Ingredient Sequence Number: 06
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: SPILL PROC: ALL WASTE CNTNRS APPROP, INCL ALL APPLIC HAZ SYMBOLS. IF SPILL ENTERS U.S. NAVIGABLE WATERS, (ING 8)
Ingredient Sequence Number: 07
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 7: CONTIGUOUS ZONE/ADJOINING SHORELINES, NOTIFY COAST GUARD NATIONAL RESPONSE CENTER (800-424-8802).
Ingredient Sequence Number: 08
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Physical/Chemical Characteristics

Appearance And Odor: CLEAR, SLIGHTLY YELLOWISH LIQUID; FAINT CHARACTERISTIC ODOR.
Boiling Point: >489F,>254C
Vapor Density (Air=1): >10
Specific Gravity: 0.96 @ 68F
Solubility In Water: <0.1%
pH: N/A

Fire and Explosion Hazard Data

Flash Point: 489F,254C
Flash Point Method: COC

Extinguishing Media: DRY CHEMICAL, WATER-FOG, CHEMICAL FOAM OR CARBON DIOXIDE. DIRECT WATER STREAM MAY CAUSE FROTHING.
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). USE WATER TO COOL FIRE-EXPOSED CONTAINER
Unusual Fire And Expl Hazrds: NONE KNOWN.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): PROLONGED EXPOSURE TO ELEVATED TEMPERATURE
Materials To Avoid: STRONG OXIDIZERS, ACIDS AND ALKALIES.
Hazardous Decomp Products: SMOKE AND TOXIC GASES INCLUDING OXIDES OF CARBON AND PHOSPHORUS.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE: SKIN: MAY CAUSE IRRIT. EYES: PRO VAPS & MIST MAY CAUSE SLIGHT, TEMPORARY IRRIT. INHAL: VAPS MAY IRRIT MEMB OF MOUTH, NOSE & THROAT. INTENSE &/OR PRLNG EXPOS TO VAP CONC EXCEEDING TLV/PEL MAY CAUSE HDCH, NAUS & VOMIT. OIL VAPS MAY ACCUM IN & MAY CAUSE CHEM PNEUM. INGEST: MINOR CONTAM (EFTS OF OVEREXP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT
Signs/Symptoms Of Overexp: HLTH HAZ: OF FINGERS/FOOD IS NOT LIKELY TO CAUSE SIGNIFICANT DISCOMFORT/ADVERSE EFT. IF INGESTED, MAY IRRIT GI T CAUSE NAUS & VOMIT. ASPIR (W/VOMITUS) INTO LUNGS MAY CAUSE MILD TO SE INJURY. CHRONIC: SKIN: PRLNG/RPTD CNTCT TENDS TO REMOVE NATL OIL & MA CAUSE IRRIT, RASH & POSS DERM. EYES: MAY (SUPDAT)
Med Cond Aggravated By Exp: EXISTING CHRONIC DERMAL, RESPIRATORY AND POSSIBLY GASTROINTESTINAL DISEASES.
Emergency/First Aid Proc: SKIN: WIPE OFF THEN WASH THORO W/SOAP & WAT EYES: FLUSH IMMED W/WATER FOR @ LEAST 15 MIN, OCCAS LIFTING EYELID. G PROMPT MED ATTN. INHAL: IMMED REMOVE TO FRESH AIR. IF BRTHG DFCLT, AD OXYGEN. IF BRTHG STOPS, ADMIN ARTF RESP. KEEP WARM & QUIET & GET PROM ATTN. INGEST: IF CONSCIOUS, GIVE 1-2 GLASSES MILK/WATER TO DILUTE STO CONTENT. DO NOT GIVE SODIUM BICARBONATE, FRUIT (SUPDAT)

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR ADEQ PROT & ELIM ALL SOURCES OF IG STOP LEAK IF IT CAN BE SAFELY DONE. VENT AREA & DIKE SPILL TO PVNT EN INTO SEWER/WATERCOURSES. SUCTION/SCOOP SPILL INTO APPROP DISP/RECYCLI VESSELS, THEN COVER SPILL AREA W/OIL-ABSORB. LABEL (ING 7)
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: DISPOSE OF WASTE I/A/W APPLIC FED, STATE & LOC

LAWS & REGS. (THE SERVICE OF LICENSED HAZ WASTE-DISP FACILITY MAY BE IT IS USER'S RESPONSIBILITY TO COMPLY WI U.S. CLEAN AIR ACT, CLEAN WA ACT & RCRA.
Precautions-Handling/Storing: STORE IN CLEAN, DRY AREA BELOW 49C/120F AWAY FROM ALL IGNITION SOURCES & INCOMPATIBLE MATERIALS.
Other Precautions: EXERCISE PRUDENT PRECAUTIONS TO AVOID ACCIDENTAL SPILLAGE, FOOD CONTAMINATION, VAPOR OR MIST INHALATION, EYE OR SKIN C AND IGNITION OF THIS PRODUCT. DO NOT WEAR CONTACT LENSES IN WORK AREA

Control Measures

Respiratory Protection: NIOSH/MSHA APPROVED SUPPLIED-AIR RESPIRATOR O SELF-CONTAINED BREATHING APPARATUS.
Ventilation: GEN VENT, NORM ADEQ, SHOULD BE AUGMENTED W/LOC EXHST WHE TLV/PEL IS EXCEEDED/WORKER DISCOMFORT REPORTED/OBSERVED.
Protective Gloves: OIL-IMPERVIOUS & SOLVENT-RESISTANT.
Eye Protection: ANSI APPROVD CHEM WORKER GOGGLES (FP N).
Other Protective Equipment: SHOES W/OIL-IMPERVIOUS (NEOPRENE) COVER & ANTI-SLIP SOLE. OIL-IMPERVIOUS APRON/PREF COVERALLS. OTHER PROT AS NECESSARY.
Work Hygienic Practices: WASH HANDS BEFORE EATING. DO NOT SMOKE. PROM REMOVE CONTAMD CLTHG. IMMED CLEAN UP SPILLS TO PVNT SLIPPING.
Suppl. Safety & Health Data: EFTS OF OVEREXP: CAUSE IRRIT & BURNING. INHAL: MAY PRDCE SAME EFTS AS ACUTE INHAL EXPOS. FIRST AID PROC: JUIC VINEGAR. DO NOT PHYSICALY INDUCE VOMIT. NEVER GIVE ANYTHING BY MOUTH UNCON PERSON. AS W/ALL ACCIDENTAL CHEM INGESTIONS, USE ALL AVAIL PREC PVNT ASPIR OF VOMITUS INTO LUNGS, WHICH MAY BE FATAL. (ING 5)

Transportation Data

Disposal Data

Label Data

Label Required: YES
Technical Review Date: 01JUL94
Label Date: 01APR94
Label Status: G
Common Name: 890 HEAVY SYNTHETIC COMPRESSOR OIL
Chronic Hazard: YES
Signal Word: CAUTION!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-Slight: X
Reactivity Hazard-None: X
Special Hazard Precautions: COMBUSTIBLE. ACUTE: SKIN: MAY CAUSE IRRITATION. EYES: MAY CAUSE SLIGHT, TEMPORARY IRRITATION. INHALATION: IRRITATE MUCOSAL MEMBRANES OF MOUTH, NOSE & THROAT. INTENSE &/OR PROL EXPOSURE MAY CAUSE HEADACHE, NAUSEA, VOMITING & CHEMICAL PNEUMONITIS. INGESTION: MAY IRRITATE GI TRACT & CAUSE NAUSEA & VOMITING. ASPIRATIO LUNGS MAY CAUSE MILD TO SEVERE PULMONANY INJURY. CHRONIC: SKIN: PROLO

REPEATED CONTACT MAY CAUSE IRRITATION, RASH & DERMATITIS. EYES: IRRIT
& BURNING. INHAL: MAY PRODUCE SAME EFFECTS AS ACUTE INHALATION EXPOSU
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: TRIBOL
Label Street: 4801 W 147TH ST
Label City: HAWTHORNE
Label State: CA
Label Zip Code: 90250-6795
Label Country: US
Label Emergency Number: 310-679-0271

Product Name: UNICHEM 7156

Section: 01 PRODUCT IDENTIFICATION

UNICHEM
A DIVISION OF BJ SERVICES CO.
707 N. LEECH
HOBBS, NM 88241-1499

Emergency Telephone 505-393-7751
Previous Version Date 10/01/96
Date Prepared 1/29/99
Version: 0000004

Product Name: UNICHEM 7156

Chemical Description:
Proprietary Corrosion Inhibitor

Section: 02 HAZARDOUS INGREDIENTS

Component Name	CAS#	% Range
ethylenediamine	00107-15-3	< 10%
methanol	00067-56-1	< 5%
isopropyl alcohol	00067-63-0	< 5%

Section: 03 PHYSICAL DATA

Freezing Point: 5 Deg.F.
Boiling Point, 760 mm Hg: init 147 Deg.F
Specific Gravity(H2O=1) : 0.996 Solubility in water: Soluble
Appearance and Odor: Clear dark red-brown liquid; amine odor.

Section: 04 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Test Method): > 200 Deg.F TOC

Extinguishing Media

CO2, dry chemical, water spray or fog, or foam. Use water to keep containers cool. Isolate "fuel" supply from fire. Contain fire fighting liquids for proper disposal.

Special Fire Fighting Procedures

Fire fighters should wear self-contained breathing apparatus with a full facepiece operated in the pressure-demand or positive-pressure mode.

Unusual Fire and Explosion Hazards

None

Section: 05 HEALTH HAZARD DATA

Effects of Overexposure

Eye Contact: causes severe conjunctival irritation and iritis with tearing, redness and swelling. Corneal injury may be marked, extensive, and if not promptly treated,

Product Name: UNICHEM 7156

Section: 05 HEALTH HAZARD DATA CONTINUED

may possibly lead to permanent impairment of vision.

Skin Contact: causes severe local redness, swelling and chemical burns. Skin contact may cause sensitization and an allergic skin reaction. Prolonged or repeated exposure may result in absorption of potentially harmful amounts of material.

Inhalation: vapors are irritating and may cause excessive tear formation, burning sensation of the nose and throat, coughing, wheezing, shortness of breath, nausea and vomiting. Repeated or prolonged exposures to high vapor concentrations can cause dizziness, headache, giddiness, sleeplessness, depression, loss of appetite, weakness, lack of coordination, staggering gait, confusion, gastric disturbances, unconsciousness, coma, cardiac depression, optic complications and death. May be narcotic or anesthetic. Extremely high concentrations may cause lung damage.

Ingestion: can cause burns of the mouth and throat, abdominal pain, nausea, vomiting, diarrhea, dizziness, weakness, thrist, blindness, narcosis, collapse, coma and death. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.

Chronic Exposure: repeated exposure to high vapor concentrations may cause injury to liver, kidneys and respiratory tract. May cause sensitization of respiratory tract and the development of asthmatic reaction.

Conditions Aggravated by Overexposure: may aggravate existing dermatitis, asthma and inflammatory or fibrotic pulmonary disease.

Emergency and First Aid Procedures

SKIN

Wash with soap and water. Remove contaminated clothing and launder contaminated clothing before reuse. Get medical attention if redness or irritation develops.

EYES

Flush eyes immediately with large amounts of water for at least 15 minutes. Lift lower and upper lids occasionally. Get medical attention.

INHALATION

Remove victim to fresh air. Give artificial respiration if not breathing. If breathing is difficult, administer oxygen. Keep person warm, quiet and get medical attention.

INGESTION

Call a physician immediately. Give victim a glass of water. Do NOT induce vomiting unless instructed by a physician or poison control center. Never give anything by mouth to an unconscious person.

Product Name: UNICHEM 7156

Section: 06 REACTIVITY DATA

Stable (Y=Yes/N=No): Y

Stability -- Conditions to Avoid

None known.

Incompatibility (Materials to Avoid)

Avoid contact with strong oxidizers or acidic materials.

Hazardous Decomposition Products

Smoke, carbon dioxide, carbon monoxide, oxides of nitrogen.

Hazardous Polymerization May Occur(Y=Yes/N=No): N

Hazardous Polymerization -- Conditions to Avoid

None

Section: 07 SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled

Persons not wearing suitable personal protective equipment should be excluded from area of spill until clean-up has been completed. Shut off source of spill if possible to do so without hazard. Prevent material from entering sewers or watercourses. Provide adequate ventilation. Contain spilled material with sand or earth. Recovered undamaged or minimally contaminated material for reuse or reclamation. Place all collected material and spill absorbents into DOT approved containers.
Advise authorities. If this product is an EPA hazardous substance (see Section 10), notify the U.S.EPA or the National Response Center. Additional notification pursuant to SARA Section 302/304 (40 CFR 355) may also be required.

Waste Disposal Method

Treatment, storage, transportation and disposal must be in accordance with EPA or State regulations under authority of the Resource Conservation and Recovery Act (40 CFR 260-271).

Section: 08 SPECIAL PROTECTIVE INFORMATION

Respiratory Protection

If workplace exposure limit(s) of product or any component is exceeded, an NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure organic vapor type) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

Ventilation

Product Name: UNICHEM 7156

Section: 08 SPECIAL PROTECTIVE INFORMATION CONTINUED

The use of mechanical dilution ventilation is recommended whenever this product is used in confined spaces, is heated above ambient temperatures or is agitated. When applicable, sufficient local ventilation should be provided to maintain employee exposures below safe working limits (TWA's).

Protective Gloves

Neoprene, nitrile, polyvinyl alcohol (PVA), polyvinyl chloride (PVC)

Eye Protection

Chemical splash goggles or face shield in compliance with OSHA regulations is advised; however OSHA regulations also permits safety glasses under certain conditions. The use of contact lenses is not recommended.

Other Protective Equipment

Eye wash and safety shower

Section: 09 SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Avoid contact with eyes, skin or clothing. Avoid breathing vapors or mist.

Other Precautions

Containers of this material may be hazardous when emptied. Since emptied containers retain residues (vapor, liquid, or solid), all hazard precautions given in this data sheet must be observed. Do not transfer to improperly marked container. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Containers should not be washed out or used for other purposes.
FOR INDUSTRIAL USE ONLY

Section: 10 REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act Of 1986(SARA) Title III

Section 302/304-Extremely Hazardous Substances (40 CFR 355)

SARA requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). These values are subject to change and the regulations should be consulted to verify current statutory requirements.

Components present in this product at a level which could require reporting under the statute are:

Component Name	RQ	TPQ	% Range

Product Name: UNICHEM 156

Section: 10 REGULATORY INFORMATION CONTINUED

ethylenediamine	5000	10000 <	10%

Section 311/312 Chemical Inventory Reporting Requirements (40 CFR 370)

The Superfund Amendments and Reauthorization Act (SARA) may require submission of reports (chemical list, MSDS, Tier I & Tier II) to the State Emergency Response Commission, Local Emergency Response Committee and the local fire department. The SARA physical and health hazards related to this product are:

X Acute Health Hazard
X Chronic Health Hazard
_ Sudden Release of Pressure
_ Reactive
_ Fire

Section 313-List of Toxic Chemicals (40 CFR 372)

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40 CFR 372). This information should be included in all MSDSs that are copied and distributed for this material.

Component Name	CAS #	% Range
methanol	00067-56-1	< 5%

CERCLA, 40 CFR 261 AND 302

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center 1-800-424-8802 of any release of a Hazardous Substances equal to or greater than the reportable quantities (RQs) listed in 40CFR 302.4. Values are given in pounds for the component and not the mixture, if applicable. (These values are subject to change and the regulations should be consulted to verify current statutory levels.)

Component Name	CAS #	CERCLA RQ
ethylenediamine	00107-15-3	5000
methanol	00067-56-1	5000

OSHA Exposure Limits

Component Name

ethylenediamine
TWA ppm: 10.0 TWA MG/M3: 25.0

methanol
TWA ppm: 200.0 TWA MG/M3: 260.0 STEL ppm: 250.0 STEL MG/M3: 310.0 Skin: X

isopropyl alcohol
TWA ppm: 400.0 TWA MG/M3: 980.0 STEL ppm: 500.0 STEL MG/M3: 1225.0

National Fire Protection Agency

2 Health
0 Reactive
0 Fire
ALK Other

Department of Transportation Shipping Information

Proper Shipping Name: Corrosive liquids, n.o.s.

Product Name: UNICHEM 7156

Section: 10 REGULATORY INFORMATION CONTINUED

Hazard Class: 8 Identification: UN1760
Packaging Group: PG II
Contains: alkyl amines
Hazardous Substance RQ: 50000# Emergency Response Guide Number: 154
Labels: Corrosive

Toxic Substances Control Act (TSCA), 40 CFR 261

This product, or components if product is a mixture, is/are listed on the Toxic Substances Control Act (TSCA) inventory.

Section 10 information is to remain attached to the material safety data sheet for this product.

While UNICHEM believes that the above data is correct, UNICHEM expressly disclaims liability for any loss or injury arising out of the use of this information or the use of any materials designated.

END OF MSDS

Product Name: UNICHEM 156

Section: 11 LABEL INFORMATION

DANGER! CAUSES SEVERE EYE AND SKIN BURNS
MAY BE HARMFUL IF SWALLOWED OR INHALED

DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.
AVOID BREATHING VAPORS. KEEP CONTAINER CLOSED.
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

FIRST AID
=========
IN CASE OF SWALLOWING:
CALL A PHYSICIAN IMMEDIATELY. GIVE VICTIM A GLASS OF WATER. DO NOT INDUCE VOMITING UNLESS INSTRUCTED BY A PHYSICIAN OR A POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
IN CASE OF CONTACT:
IMMEDIATELY FLUSH EYES AND SKIN WITH PLENTY OF WATER FOR 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. DISCARD CONTAMINATED SHOES. LAUNDER CLOTHING BEFORE REUSE. CALL A PHYSICIAN.
IN CASE OF INHALATION:
REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

CONTAINER HANDLING AND STORAGE:
KEEP CONTAINER TIGHTLY CLOSED. KEEP CLOSURE UP TO AVOID LEAKAGE. DRUM MUST NOT BE WASHED OUT OR USED FOR OTHER PURPOSES. REPLACE CLOSURE AFTER EACH WITHDRAWAL. DO NOT USE PRESSURE TO EMPTY DRUM. DO NOT TRANSFER THIS MATERIAL TO IMPROPERLY MARKED CONTAINER. KEEP OUT OF REACH OF CHILDREN.

IN CASE OF SPILLAGE:
ABSORB SPILL WITH INERT MATERIALS (E.G., DRY SAND OR EARTH). PLACE IN A CHEMICAL WASTE CONTAINER. FLUSH SPILL AREA WITH WATER SPRAY. FOR LARGE SPILL, DIKE FOR LATER DISPOSAL.

CONTAINER DISPOSAL:
THIS CONTAINER WILL CONTAIN TRACES OF HAZARDOUS MATERIAL WHEN EMPTIED. DO NOT CUT OR WELD ON EMPTY CONTAINER. FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS FOR DISPOSAL.

MATERIAL SAFETY DATA SHEET

Continental Products of Texas

100 Industrial • P.O. Box 3627 • Odessa, Texas 79760 • (915) 337-4681

10% Sodium Hypochlorite

SECTION I - IDENTIFICATION

TRADE NAME..... 10% Sodium Hypochlorite
REVISED DATE..... March 8, 1996
CHEMICAL NAME..... Sodium Hyphchlorite, Aqueous Solution (10%)
CAS NUMBER..... N/A
OSHA HAZARD CLASS..... Corrosive
EMERGENCY PHONE NUMBER... 1-915-337-4681

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	HAZARDOUS %	HAZARDOUS COMPONENT DATA
Sodium Hypochlorite, Aqueous Solution, CAS#7681-52-9	10%	TLV (Rat Oral) LD5012g/kg
Water	75-83%	
[illegible]ium Hydroxide, CAS #[illegible]10-73-2	.5-2.0%	
Sodium Chloride, CAS# 7647-14-5	7-8%	

SECTION III - PHYSICAL DATA

BOILING POINT..... Decomposes
VAPOR PRESSURE (mm Hg)... 17.5mmhg@20C
SOLUBILITY IN H2O..... Complete
APPEARANCE/ODOR..... Clear, pale yellow or greenish liquid with a chlorine odor
SPECIFIC GRAVITY (H2O=1). 1.15
VOLATILITY/VOL(%)..... N/A
PH OF SOLUTION.....

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... Non-flammable
FLAMMABLE LIMITS..... N/A
EXTINGUISH MEDIA..... N/A
FIRE FIGHTER PROTECTION..
DECOMPOSITION PRODUCTS... Chlorine gas (CL2) rate of decomposition increases with the concentration and with temperatures above 85F.
UNUSUAL FIRE HAZARD..... Oxidizing agent. vigourous reactions can occur with oxidizable materials in a fire situation.

MATERIAL SAFETY DATA SHEET

Continental Products of Texas

100 Industrial • P.O. Box 3627 • Odessa, Texas 79760 • (915) 337-4681

10% Sodium Hypochlorite

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY.....

	INHALATION:	SKIN AND EYES	INGESTION:
OVER EXPOSURE EFFECTS	Mist or fumes can cause bronchial irritation, coughing , difficult breathing, nausea and pulmonary edema.	Liquid or mist contact can produce severe irritaion to the eyes, and produce blistering and eczema to skin.	Cause corrosion of mucous membranes, perforation of esophagus and stomach

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE.. N/A

IF ANY COMPONENT LISTED AS A CARCINOGEN?	NTP?	IARC MONOGRAPHS?	OSHA?
	N/A	N/A	

IRST AID PROCEDURES..... Skin Contact: Flush affected area with copious amounts of water. Contact a phsician for burns.
Eye Contact: Irrigate eyes with water for at least 15 minutes. Contact a physcian at once.
Inhalation: Remove to fresh air.
Ingestion: Rinse mouth with water Drink large quantities of water of milk. Do not induce vomiting. Do not use acidic antidotes or sodium bicarbonate. CONTACT A PHYSICIAN AT ONCE.

SECTION VI - REACTIVITY DATA

MICAL STABILITY..... Stable under proper storage conditions.
DITIONS TO AVOID..... Temperature above 85F
OMPATIBLE MATERIALS... Any acid mateial, ammonia, urea, oxidizable materials, and metals, such as nickel, copper, tin, aluminum and iron.
MPOSITION PRODUCTS... Chlorine gas (CL2) rate of decomposition increases with the concentration and with temperatures above 85F.
RDOUS POLYMERIZATION. Will not occur

MATERIAL SAFETY DATA SHEET

Continental Products of Texas

100 Industrial • P.O. Box 3627 • Odessa, Texas 79760 • (915) 337-4681

10% Sodium Hypochlorite

SECTION VII - SPILL OR LEAK PROCEDURE

CASE OF SPILL..... Contain and recove. Prevent liquid from entering sewers or water ways. Clean-up personnel should use protective equipment to prevent contact.

WASTE DISPOSAL METHOD.... Do not use combustible absorbents. When necessary, hypochlorite can be neutralized with wek reducing agents. Follow federal, state, and local regulations. Place in a city, state and federalpermitted disposal facility.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION... Use NIOSH approved respiratory protection; for canister-type respirators, use chlorine filters. In case of fire, wer self contained breathing apparatus for rescue.

TILATION..... Use local ventilation to remove vapors at the source. Do not rely on general exhaust.

CIAL.....

PROTECTIVE GLOVES..... Impervious gloves (PVC) taped to protective clothing.

EYE PROTECTION..... Chemical goggles.

OTHER PROTECTIVE EQUIPMENT..... Wear chemical resistant clothing to avoid skin contact.

SECTION IX - SPECIAL PRECAUTIONS

ANDLING AND STORAGE..... None

RECAUTIONARY MEASURES... None

SECTION X - ADDITIONAL DATA

PA HAZARD CATEGORY..... Corrosive

OT LABEL REQUIRED..... Corrosive

ERCLA REPORTABLE

UANTITY OF MIXTURE..... N/A

SARA TITLE III DATA

RESHOLD PLANNING

NTITY..... N/A

TE RELEASE RQ..... 100 lbs

SECTION 313 TOXIC COMPONENT/S

ATERIAL SAFETY DATA SHEET

Continental Products of Texas

100 Industrial • P.O. Box 3627 • Odessa, Texas 79760 • (915) 337-4681

10% Sodium Hypochlorite

COMPONENT CHEMICAL NAME	AMOUNT IN MIXTURE
Hypochlorite solution	10%

Shell

MATERIAL SAFETY DATA SHEET

MSDS NUMBER ▶ 60,270-10 PAGE 1

97367 (4-95)

24 HOUR EMERGENCY ASSISTANCE	GENERAL MSDS ASSISTANCE
SHELL: 713-473-9461 CHEMTREC: 800-424-9300	SHELL: 713-241-4819

ACUTE HEALTH *	FIRE	REACTIVITY	HAZARD RATING ▶
1	1	0	LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4

*For acute and chronic health effects refer to the discussion in Section III

BE SAFE
READ OUR PRODUCT SAFETY INFORMATION ...AND PASS IT ON
[PRODUCT LIABILITY LAW REQUIRES IT]

SECTION I	NAME
PRODUCT ▶	SHELL TELLUS(R) OIL 68
CHEMICAL NAME ▶	MIXTURE (SEE SECTION IIA)
CHEMICAL FAMILY ▶	PETROLEUM HYDROCARBON; HYDRAULIC OIL
SHELL CODE ▶	65211

SECTION II-A PRODUCT/INGREDIENT

NO.	COMPOSITION	CAS NUMBER	PERCENT
P	SHELL TELLUS OIL 68	MIXTURE	100
1	SOLVENT REFINED, HYDROTREATED HEAVY PARAFFINIC DISTILLATE	64742-54-7	0-99
2	SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE	64742-65-0	0-99
3	MINOR ADDITIVES	MIXTURE	<2

SECTION II-B ACUTE TOXICITY DATA

NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50
P	NOT AVAILABLE		

BASED UPON DATA AVAILABLE TO SHELL, COMPONENT 3 IN THIS PRODUCT IS NOT HAZARDOUS UNDER OSHA HAZARD COMMUNICATION (29 CFR 1910.1200).

SECTION III HEALTH INFORMATION

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

EYE CONTACT
BASED ON COMPONENT INFORMATION, PRODUCT IS PRESUMED TO BE PRACTICALLY NON-IRRITATING TO THE EYES.

SKIN CONTACT
BASED ON COMPONENT INFORMATION, PRODUCT IS PRESUMED TO BE PRACTICALLY NON-IRRITATING TO THE SKIN. PROLONGED AND REPEATED CONTACT MAY RESULT IN SKIN DISORDERS SUCH AS DERMATITIS, OIL ACNE OR FOLLICULITIS. ACCIDENTAL RELEASE UNDER HIGH PRESSURE APPLICATIONS MAY RESULT IN INJECTION OF OIL INTO THE SKIN CAUSING LOCAL NECROSIS.

INHALATION
THE INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST MAY CAUSE A MILD IRRITATION OF THE MUCOUS MEMBRANES OF THE UPPER RESPIRATORY TRACT.

INGESTION
BASED ON COMPONENT INFORMATION, PRODUCT IS NO MORE THAN SLIGHTLY TOXIC IF SWALLOWED.

SIGNS AND SYMPTOMS
IRRITATION AS NOTED ABOVE. NECROSIS MAY BE EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING HIGH PRESSURE INJECTION.

AGGRAVATED MEDICAL CONDITIONS
PREEXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

SECTION IV OCCUPATIONAL EXPOSURE LIMITS

	OSHA		ACGIH		OTHER
NO.	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	
P	*5 MG/M3	NONE	*5 MG/M3	*10 MG/M3	NONE

*OIL MIST, MINERAL

SECTION V EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT
FLUSH EYES WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

SKIN CONTACT
REMOVE CONTAMINATED CLOTHING/SHOES WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE; DO NOT WAIT FOR SYMPTOMS TO DEVELOP.

INHALATION
REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

INGESTION
DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

NOTE TO PHYSICIAN
IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS, I.E., MOST OILS AND GREASES.

SECTION VI SUPPLEMENTAL HEALTH INFORMATION

NONE IDENTIFIED.

SECTION VII PHYSICAL DATA

BOILING POINT: NOT AVAILABLE (DEG F)

SPECIFIC GRAVITY: 0.8729 (H2O=1)

VAPOR PRESSURE: NOT AVAILABLE (MM HG)

Material Safety Data Sheets

ExxonMobil

Material Safety Data Sheets

New Search

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605881-00 MOBIL PEGASUS 701
MATERIAL SAFETY DATA BULLETIN

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL PEGASUS 701
SUPPLIER: EXXONMOBIL OIL CORPORATION
3225 GALLOWS RD.
FAIRFAX, VA 22037

24 - Hour Health and Safety Emergency (call collect): 609-737-4411

24 - Hour Transportation Emergency:
CHEMTREC: 800-424-9300 202-483-7616
LUBES AND FUELS: 281-834-3296

Product and Technical Information:
Lubricants and Specialties: 800-662-4525 800-443-9966
Fuels Products: 800-947-9147
MSDS Fax on Demand: 613-228-1467
MSDS Internet Website: http://exxmsds.ihssolutions.com/

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: SEVERE TREAT MIN. OILS & ADDITIVES

GLOBALLY REPORTABLE MSDS INGREDIENTS:

None.

OTHER INGREDIENTS:

Substance Name	Approx. Wt%
POLY BUTENYL SUCCINIMIDE	1-5

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines (See Section 15).

EMERGENCY OVERVIEW: Amber Liquid. DOT ERG No. : NA

POTENTIAL HEALTH EFFECTS: Under normal conditions of intended use,

this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation.

For further health effects/toxicological data, see Section 11.

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.
SKIN CONTACT: Wash contact areas with soap and water. Remove and clean oil soaked clothing daily and wash affected area. (See Section 16 - Injection Injury)
INHALATION: Not expected to be a problem. However, if respiratory irritation, dizziness, nausea, or unconsciousness occurs due to excessive vapor or mist exposure, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or mouth-to-mouth resuscitation.
INGESTION: Not expected to be a problem. Seek medical attention if discomfort occurs. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.
COMBUSTION PRODUCTS: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.
Flash Point C(F): > 218(424) (ASTM D-92).
Flammable Limits (approx.% vol.in air) - LEL: 0.9%, UEL: 7.0%
NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800)424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:
LAND SPILL: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of adsorbed residues as directed in Section 13.
WATER SPILL: Confine the spill immediately with booms. Warn other ships in the vicinity. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. If permitted by regulatory authorities the use of suitable dispersants should be considered where recommended in local oil spill procedures.
ENVIRONMENTAL PRECAUTIONS: Prevent material from entering sewers,

water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation.
PERSONAL PRECAUTIONS: See Section 8 .

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7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.
STORAGE: Keep containers closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, flame or strong oxidants.
SPECIAL PRECAUTIONS: Prevent small spills and leakages to avoid slip hazard.
EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

---

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

When mists/aerosols can occur, the following are recommended: 5 mg/m3 (as oil mist) - ACGIH Threshold Limit Value (TLV), 10 mg/m3 (as oil mist) - ACGIH Short Term Exposure Limit (STEL), 5 mg/m3 (as oil mist) - OSHA Permissible Exposure Limit (PEL)

VENTILATION: If mists are generated, use adequate ventilation, local exhaust or enclosures to control below exposure limits.
RESPIRATORY PROTECTION: If mists are generated, and/or when ventilation is not adequate, wear approved respirator.
EYE PROTECTION: If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn.
SKIN PROTECTION: Not normally required. When splashing or liquid contact can occur frequently, wear oil resistant gloves and/or other protective clothing. Good personal hygiene practices should always be followed.

---

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid
COLOR: Amber
ODOR: Mild
ODOR THRESHOLD-ppm: NE
pH: NA
BOILING POINT C(F): > 288(550)
MELTING POINT C(F): NA

FLASH POINT C(F): > 218(424) (ASTM D-92)
FLAMMABILITY (solids): NE
AUTO FLAMMABILITY C(F): NA
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: < 0.1
VAPOR DENSITY: > 2.0
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.886
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: > 3.5
VISCOSITY AT 40 C, cSt: 132.0
VISCOSITY AT 100 C, cSt: 13.5
POUR POINT C(F): < -15(5)
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE
DMSO EXTRACT, IP-346 (WT.%): <3, for mineral oil only
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---
ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.
EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.
SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.
OTHER ACUTE TOXICITY DATA: Although an acute inhalation study was not performed with this product, a variety of mineral and synthetic oils, such as those in this product, have been tested. These samples had virtually no effect other than a nonspecific inflammatory response in the lung to the aerosolized mineral oil. The presence of additives in other tested formulations (in approximately the same amounts as in the present formulation) did not alter the observed effects.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---
No significant adverse effects were found in studies using repeated dermal applications of similar formulations to the skin of laboratory animals for 13 weeks at doses significantly higher

than those expected during normal industrial exposure. The animals were evaluated extensively for effects of exposure (hematology, serum chemistry, urinalysis, organ weights, microscopic examination of tissues etc.).

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---
No teratogenic effects would be expected from dermal exposure, based on laboratory developmental toxicity studies of major components in this formulation and/or materials of similar composition.

---CHRONIC TOXICOLOGY (SUMMARY)---
Repeated and/or prolonged exposure may cause irritation to the skin, eyes or respiratory tract. Overexposure to oil mist may result in oil droplet deposition and/or granuloma formation. For mineral base oils: Base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as Modified Ames Test, IP-346, and/or other analytical methods. For synthetic base oils: The base oils in this product have been tested in the Ames assay and other tests of mutagenicity with negative results. These base oils are not expected to be carcinogenic with chronic dermal exposures.

---SENSITIZATION (SUMMARY)---
Not expected to be sensitizing based on tests of this product, components, or similar products.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

In the absence of specific environmental data for this product, this assessment is based on information for representative products.

ECOTOXICITY: Available ecotoxicity data (LL50 >1000 mg/L) indicates that adverse effects to aquatic organisms are not expected from this product.

MOBILITY: When released into the environment, adsorption to sediment and soil will be the predominant behavior.

PERSISTENCE AND DEGRADABILITY: This product is expected to be inherently biodegradable.

BIOACCUMULATIVE POTENTIAL: Bioaccumulation is unlikely due to the very low water solubility of this product, therefore bioavailability to aquatic organisms is minimal.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is

subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

---

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

STATIC ACCUMULATOR (50 picosiemens or less): YES

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15. REGULATORY INFORMATION

S OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, MITI, and DSL.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (0.02%)	7440-66-6	22
PHOSPHORODITHOIC ACID, O,O-DI	68649-42-3	22
C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP) (0.24%)		

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL 6=IARC 1 11=TSCA 4 16=CA P65 CARC 21=LA RTK
3=ACGIH A1 7=IARC 2A 12=TSCA 5a2 17=CA P65 REPRO 22=MI 293
3=ACGIH A2 8=IARC 2B 13=TSCA 5e 18=CA RTK 23=MN RTK

=NTP CARC 9=OSHA CARC 14=TSCA 6 19=FL RTK 24=NJ RTK
=NTP SUS 10=OSHA Z 15=TSCA 12b 20=IL RTK 25=PA RTK
=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

---

16. OTHER INFORMATION

USE: NATURAL GAS ENGINE OIL

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

INDUSTRIAL LABEL

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. First Aid: Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapor, remove to fresh air. If ingested do not induce vomiting. If symptoms persist seek medical assistance. Read and understand the MSDS before using this product.

****
For Internal Use Only: MHC: 1* 1* 1* 1* 1*, MPPEC: A. TRN: 603881-00, CMCS97: 970910, REQ: US - MARKETING, SAFE USE: L
EHS Approval Date: 19SEP2002
****

Material Safety Data Sheets

epresent nor warrant that the format, content or product formulas
ontained in this document comply with the laws of any other country
xcept the United States of America.

repared by: ExxonMobil Oil Corporation
nvironmental Health and Safety Department, Clinton, USA

Emergency Numbers

Privacy & Legal

EL PASO NATURAL GAS COMPANY

Monument, New Mexico

MONUMENT STATION DRAIN LINE TESTING

FEBRUARY 2000

Merryman Construction Company
P. O. Drawer U Highway 18
Jal New Mexico, 88252

MONUMENT DRAIN LINE TESTS - February 2000

6" Low Pressure Drains from Auxiliary Building to Classifier
Ref. Drawings - 1MO-2-P4

1. Close 2" valve at septic system pump discharge.

2. Clean and plug 4" apron drain at barrel apron at northeast side of auxiliary building. Use 2" expandable plug in lower portion of funnel.

3. Close valve at air receiver. (N.C.) L. P. Drain lines and tanks were pressurized through this valve.

4. Remove flapper from 2" check valve at north side of auxiliary building. Valve is in a 12" pipe valve box.

5. Remove flapper from 2" check valve at north west side of auxiliary building. Valve is buried (aprox. 2 ft.) and is located near northwest door of auxiliary building.

6. Disconnect 2" drain line from R. O. unit. Test equipment can be attached at a 2" PVC union on in discharge line of this unit.

7. Close 2" valve at sump pump in basement of A-Compressor building. (N.O.)

8. Plug 1" Distance Piece vent line outside of southeast corner of A-Compressor building.

9. Clean and tighten plugs in (2) 4" PVC clean-outs that are located on main drain header between A- and B-Compressor buildings.

10. Clean flapper and seating area of 4" check valve near barrel aprons at cooling tower. Drain apron funnels are severely corroded and will not seal with expandable plugs as used in previous tests. It is necessary to test against the check valve or install a 4" ANSI 150 blind plate down stream of the check valve.

11. Close 1" valve on cooling tower blowdown inside pump building. (N.O.)

12. Close drain valve at B-plant air receiver. (N.C.)

13. Close 2" valve at sump pump in basement of B-Compressor building. (N.O.)

14. In classifier area, close 2" valve downstream of regulator at Sweet Gas blowdown scrubber. (N.O.)

15. Close 2" by-pass in same regulator run. (N.C.)

16. In classifier area, close 2" valve downstream of regulator at Sweet Gas blowdown scrubber. (N.O.)

17. Close 2" by-pass in same regulator run. (N.C.)

18. Close Buried 6" butterfly valve at classifier inlet. (N.O.) This valve would not seal and was left open to test the tanks when the Low Pressure drains are tested.

Test pressure was 4 PSI for 1 hour

The Vertical Turbine Pump base on the classifier tank is severely corroded and had to be sealed with expanding insulating foam to prevent test pressure leakage. The rust layers could not be sealed completely and some test pressure seeped through the laminations of rust. It was not possible to get a tight seal on the Classifier tank.

MONUMENT DRAIN LINE TESTS - February 2000

UNDERGROUND TANKS AND PIPING IN THE CLASSIFIER AREA
Ref. Drawings - 1MO-1-P15, -P16, -P17, -P18, -P20 &-P21

Classifier Tank

1. 6" Vent Stack. Clean inside top of 6" stack and install 6" expandable plug.

2. 6" Butterfly Valve at drain inlet at NW side of tank (handle located above grade) will not seal. This valve is normally closed during test of the tanks and Low Pressure Drain lines. It must be left in the open position to test the drain lines and the tanks at the same time.

3. Close 2" valve on by-pass from 4" line to waste water filters. (N.C.)

4. Close 4" valve on H2O Return Line at the truck loading station. (N.C.)

5. Close 4" valve in B. W. Pump Building on Backwash Line. (N.O.)

6. Install new gaskets and bolts (if required) on 18" manway openings.

7. Seal pump bases and packing vent lines. Seal all open bolt holes in the pump mount area. Plug ¾" drain openings in pump bases (2).

8. Install (2) 4" expandable plugs in the (2) open 4" couplings near the pump mount. [The threads have been eliminated by corrosion and it was difficult to get a seal even with the expandable plugs.]

9. Close 2" valve on line formerly used as Return from Pond. (N.C.)
9a. Close 2" valve on water return to Classifier at Product Storage tank.

Oil StorageTank
10. 4" vent stack . Clean top inside of 4" vent stack and install 4" expandable plug.

11. Close 4" valve at truck loading station on the 4" to Truck Loading line. (N.C.)

12. Clean inside circumference of 8" Thief Hatch and install an 8" expandable plug. [It may be necessary to install a new gasket between the tank and hatch casting prior to the next test.]

Test pressure was 4 psi for 1 hr.

Classifier and Oil tanks are connected underground with a 4" line allowing tanks to be pressured simultaneously. These tanks and related lines were pressured with the Low Pressure Drain lines during this test.

MONUMENT DRAIN LINE TESTS - February 2000

RECOMMNDATIONS

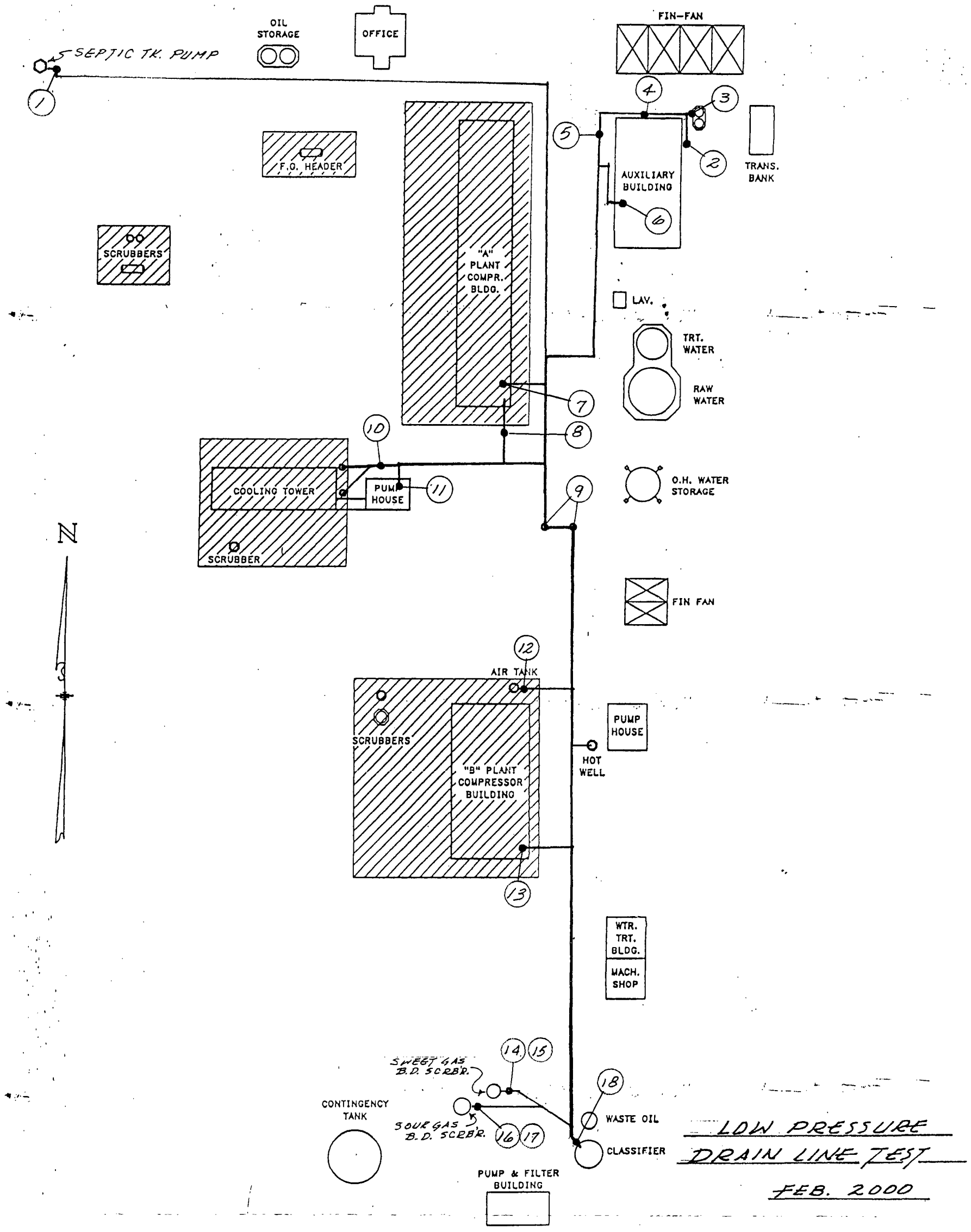
Overall the drain line systems are leak free thanks to the maintenance and piping changes made by plant personnel. The only problems encountered were in the Classifier area, specifically the Classifier tank inlet valve, the Vertical Turbine Pump (VTP) mount and two (2) unused 4" threaded couplings on the Classifier tank.

The Classifier tank inlet valve prevented testing the Low Pressure drains and the Classifier area tanks and piping separately . If these two systems are to be tested separately, the following items must be repaired:

A. The VTP mount must be repaired to permit the pump bases to seal against the face of the mount. Gaskets under the each pump will ensure sealing after the mount is repaired. Since there are no hold-down bolts on these pumps, proper gasketing to prevent metal to metal contact may reduce the rate of corrosion. These repairs must be made even if the two systems are tested together.

B. The 6" butterfly valve on the main drain inlet must be replaced to permit sealing between the Classifier Tank and the Low Pressure drain lines. The depth of this connection (6') makes it impractical to excavate the flange and install a blind plate each time the tank or Low Pressure drain lines must be tested. Using pipe cutters, a ball valve could be installed without welding using a Plidco-Flange (a flanged Weld+) or Dresser sleeve.

C. The 4" couplings have almost no threads due to corrosion. A 4" pipe thread tap or thread chaser might be used to create enough threads to permit new pipe plugs to be installed with the threads coated with an epoxy-type sealant to permanently close these openings. It was difficult to get a seal in these openings with expandable plugs. Those plugs used for this test would not expand enough to hold pressures above 5 PSIG in these (2) couplings.



LOW PRESSURE DRAIN LINE TEST

FEB. 2000

NOT TO SCALE!

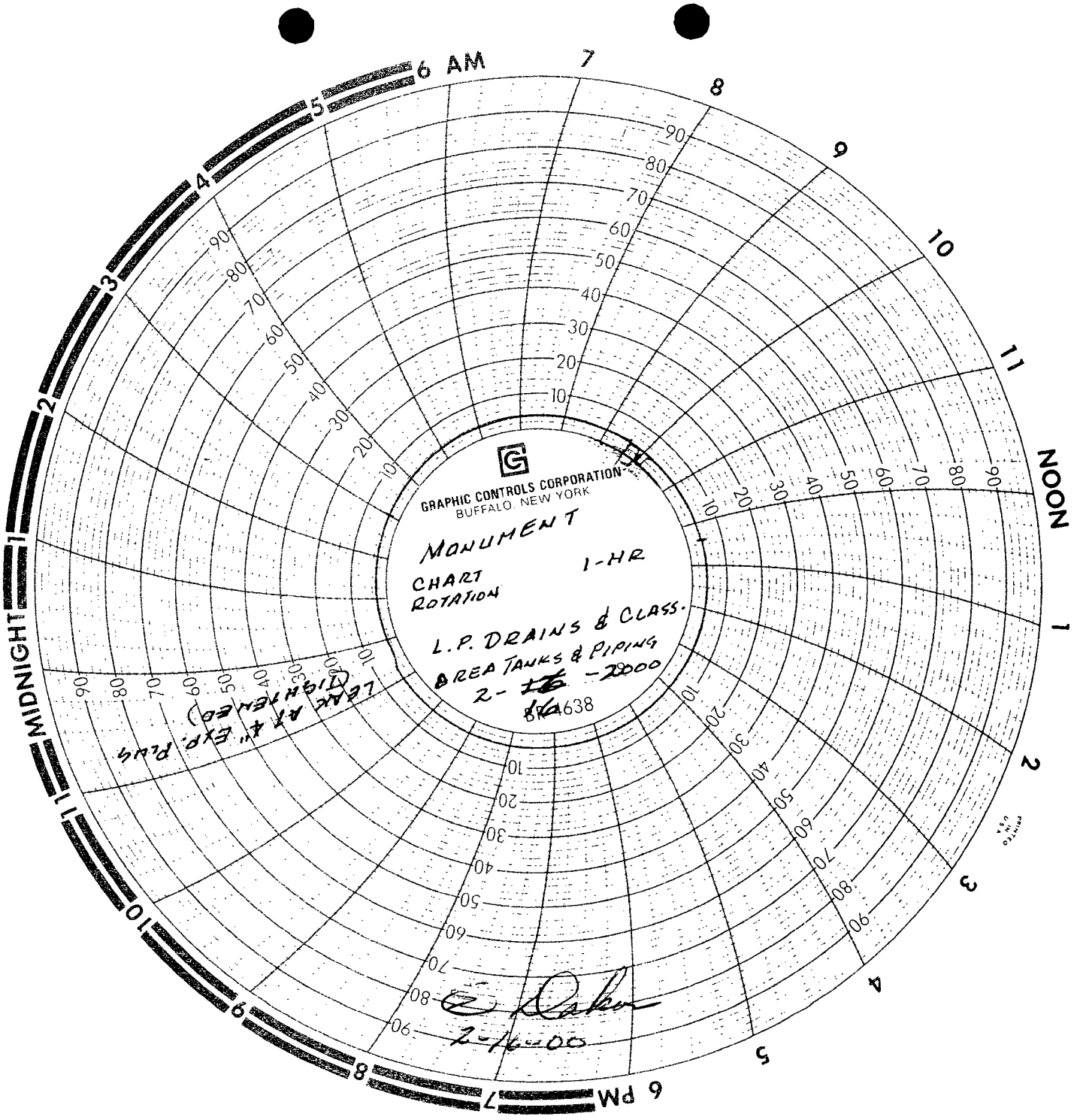
INDICATES AREAS REQUIRING NOMEX COVERALLS

ENG REC		DATE
DRAWN	DK	5/27/88
CHECK		
CHECK		
PROJ.		
DESIGN		
REV.		5/27/89

El Paso NATURAL GAS COMPANY

MONUMENT COMPRESSOR STATION
PROTECTIVE CLOTHING DESIGNATED AREAS

SCALE NONE	DWG. NO. JMO-L-26	REV.
CGC NO. JM0001		



MONUMENT DRAIN LINE TESTS - February 2000

6" Low Pressure Drains from Auxiliary Building to Classifier

Ref. Drawings - 1MO-2-P4

and

UNDERGROUND TANKS AND PIPING IN THE CLASSIFIER AREA

Ref. Drawings - 1MO-1-P15, -P16, -P17, -P18, -P20 &-P21

MONUMENT DRAIN LINE TESTS - February 2000
Ref. Drawings - 1MO-2-P201, 1MO-1-P15

4" High Pressure Sweet Gas Drain Line From Inlet Scrubbers to Classifier

[This 4" line reduces to a 2" line at the south side of the cooling tower where it has been separated form the 4" Sour Gas (B-Plant) drains.]

1. The 2" line from the siphon blowdown on the 10" Lee Line was tested as part of this system but is to be abandoned in 2000. (N.C.)

2. Fuel Gas Scrubber - Close valve downstream of dump valve (N.O.)

3. Vertical Inlet Gas Scrubbers (2) - Close valves downstream of dump valves. (N.O.)

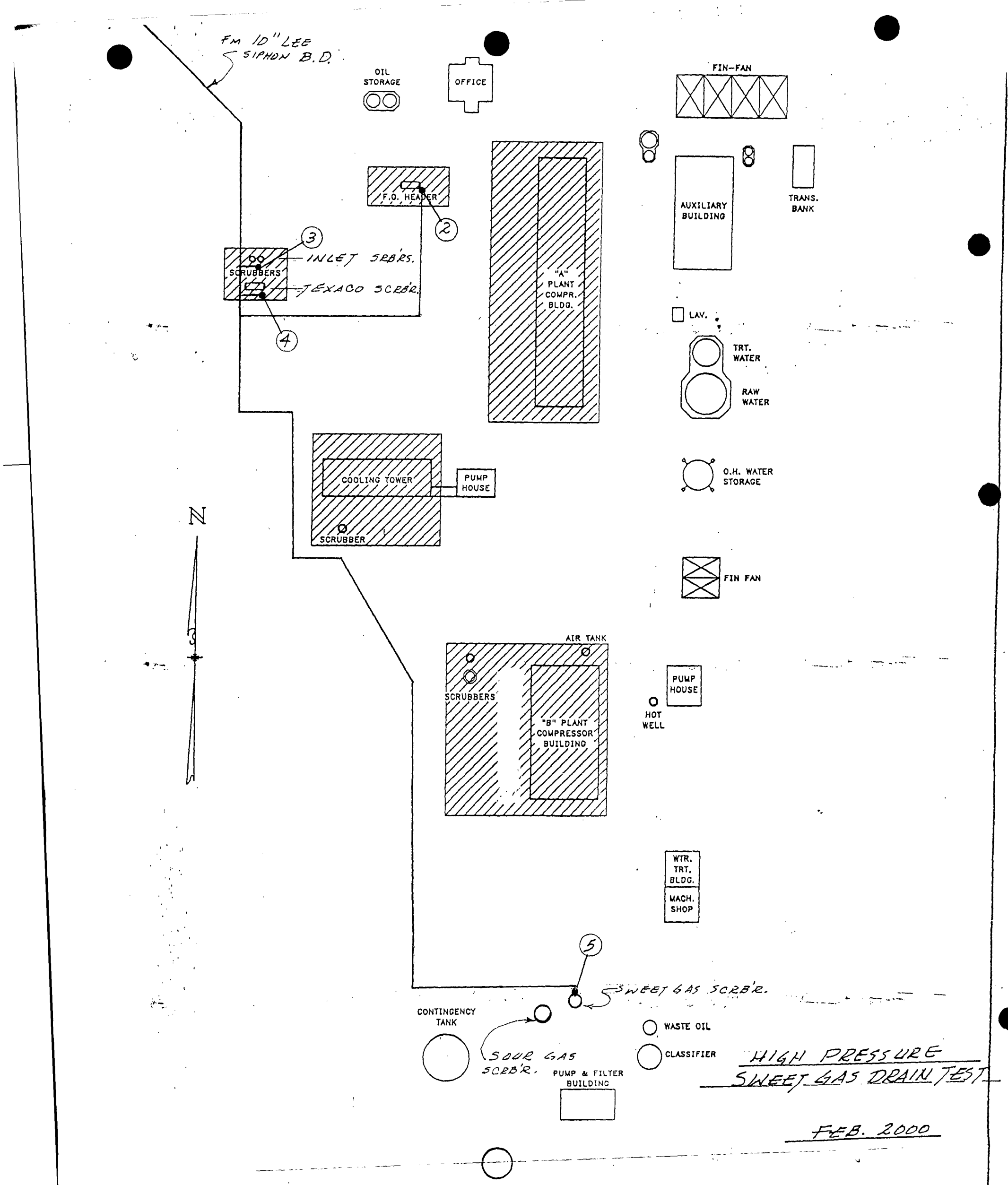
4. Texaco Horizontal Gas Scrubber - Close valve downstream of dump valve. (N.O.)

5. Close 2" valve at the inlet of the Sweet Gas Blowdown Scrubber in the Classifier Area (N.O.)

6. Test equipment can be attached at a ¾" valve upstream of the 2" valve at the blowdown scrubber. Pressure system with **gas** from the Fuel Gas Scrubber.

Test pressure is 50 psi for 1 hour.

NOTE:
The test chart shows a rise in pressure of about 9 PSIG during the 1 hour test. All valves on both sides of the regulators (Dump Valves) were shut, effectively "double valving" these drains at the vessels. The only possible source of the leakage into the system that could be found is through the two (2) 2" globe valves off the bottom of the Texaco Gas scrubber. These valves are insulated and no attempt was made to blind plate them during this test. Calculated leakage rate (using line size and length on blue prints) is 3 - 4 CFM at 1 atmosphere.



HIGH PRESSURE SWEET GAS DRAIN TEST

FEB. 2000

NOT TO SCALE!

INDICATES AREAS REQUIRING NOMEX COVERALLS

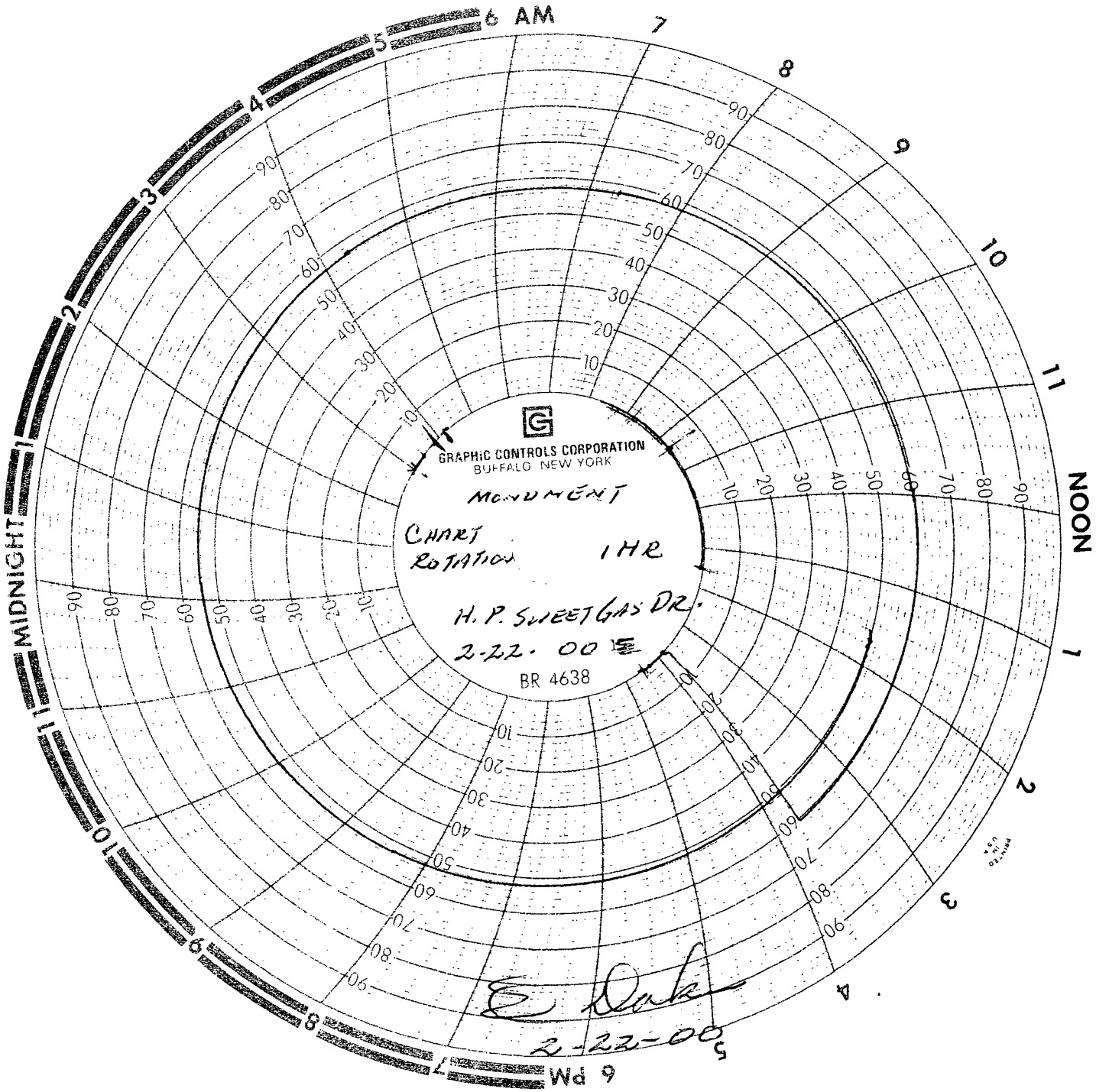
ENG REC		DATE
DRAWN	DK	5/27/88
CHECK		
CHECK		
PROJ.		
DESIGN		
REV.		5/27/88

El Paso NATURAL GAS COMPANY

MONUMENT COMPRESSOR STATION
PROTECTIVE CLOTHING DESIGNATED AREAS

SCALE NONE | DWG. NO. JMO-L-26 | REV.

CCC NO. JM0001



MONUMENT DRAIN LINE TESTS - February 2000
4" High Pressure Sweet Gas Drain Line From Inlet Scrubbers to Classifier Ref. Drawings - 1MO-2-P201, 1MO-1-P15

MONUMENT DRAIN LINE TESTS - February 2000

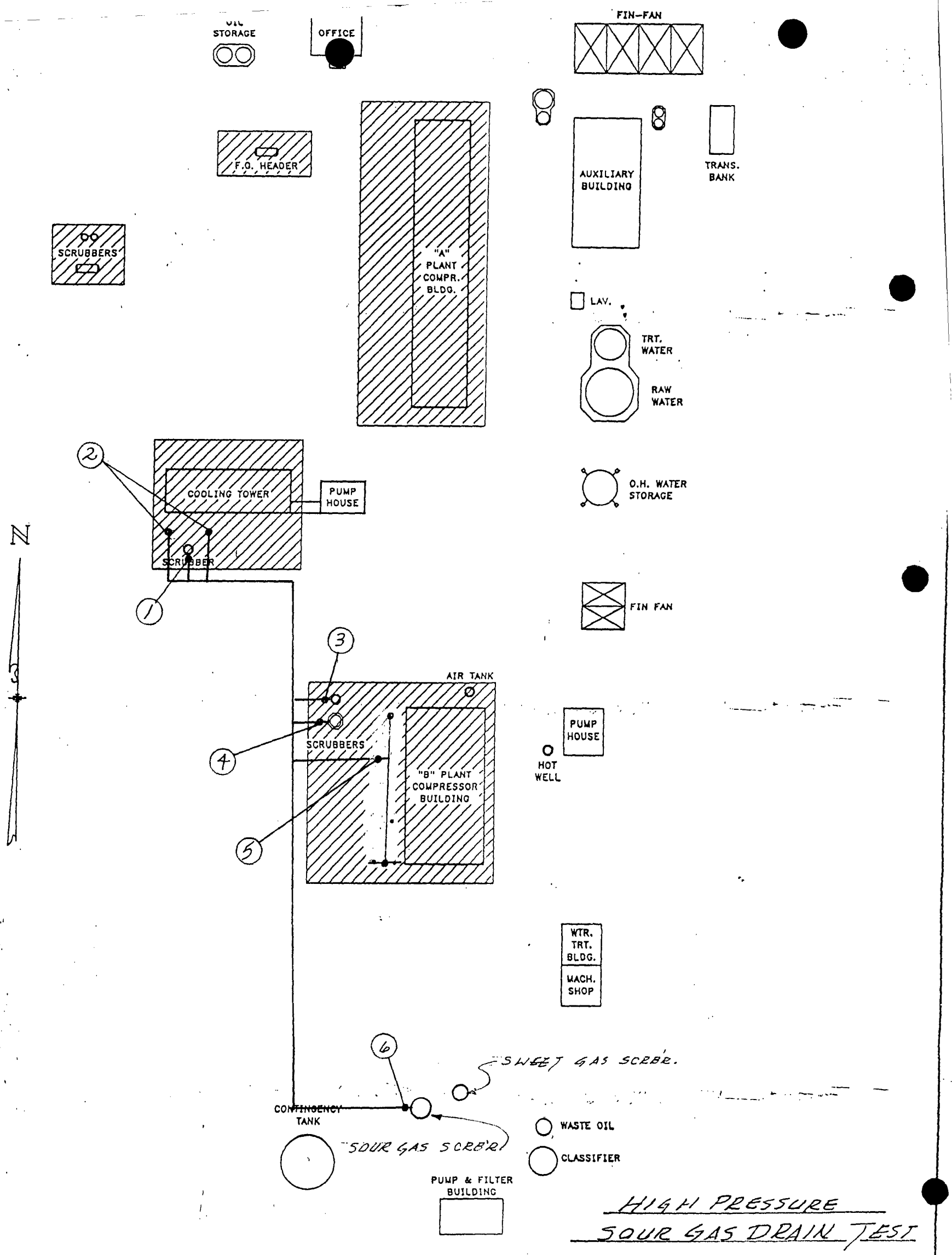
Ref. Drawings - 1MO-2-P201, 1M0-2-P202, 1MO-1-P15

4" High Pressure Sour Gas Drain Line From B-Compressor Cooling Tower to Classifier

[This 4" line has been separated from the A-Compressor (Sweet Gas) drains at the south side of the cooling tower.]

1. Second Stage Discharge Scrubber - Close valve downstream of dump valve (N.O.)
2. Close siphon blowdown valves (2) on 16" and 30" gas headers at cooling tower. (N.C.)
3. 1st Stage Vertical Inlet Gas Scrubber - Close valve downstream of dump valve. (N.O.)
4. Inlet Gas Scrubber - Close valve downstream of dump valve. (N.O.)
5. Close Siphon Blowdown Valves (9) at B-Compressor Headers (N.C.)
6. Blind plate 6"ANSI 150 flange on the inlet of the Sour Gas Blowdown Scrubber.
7. Test equipment can be attached at a ¾" valve upstream of the 6" inlet flange valve. Pressurize system with gas from the B-Compressor Inlet Gas Scrubber.

Test pressure is 50 psi for 1 hour.



HIGH PRESSURE SOUR GAS DRAIN TEST

FEB. 2000

NOT TO SCALE!

INDICATES AREAS REQUIRING NOMEX COVERALLS

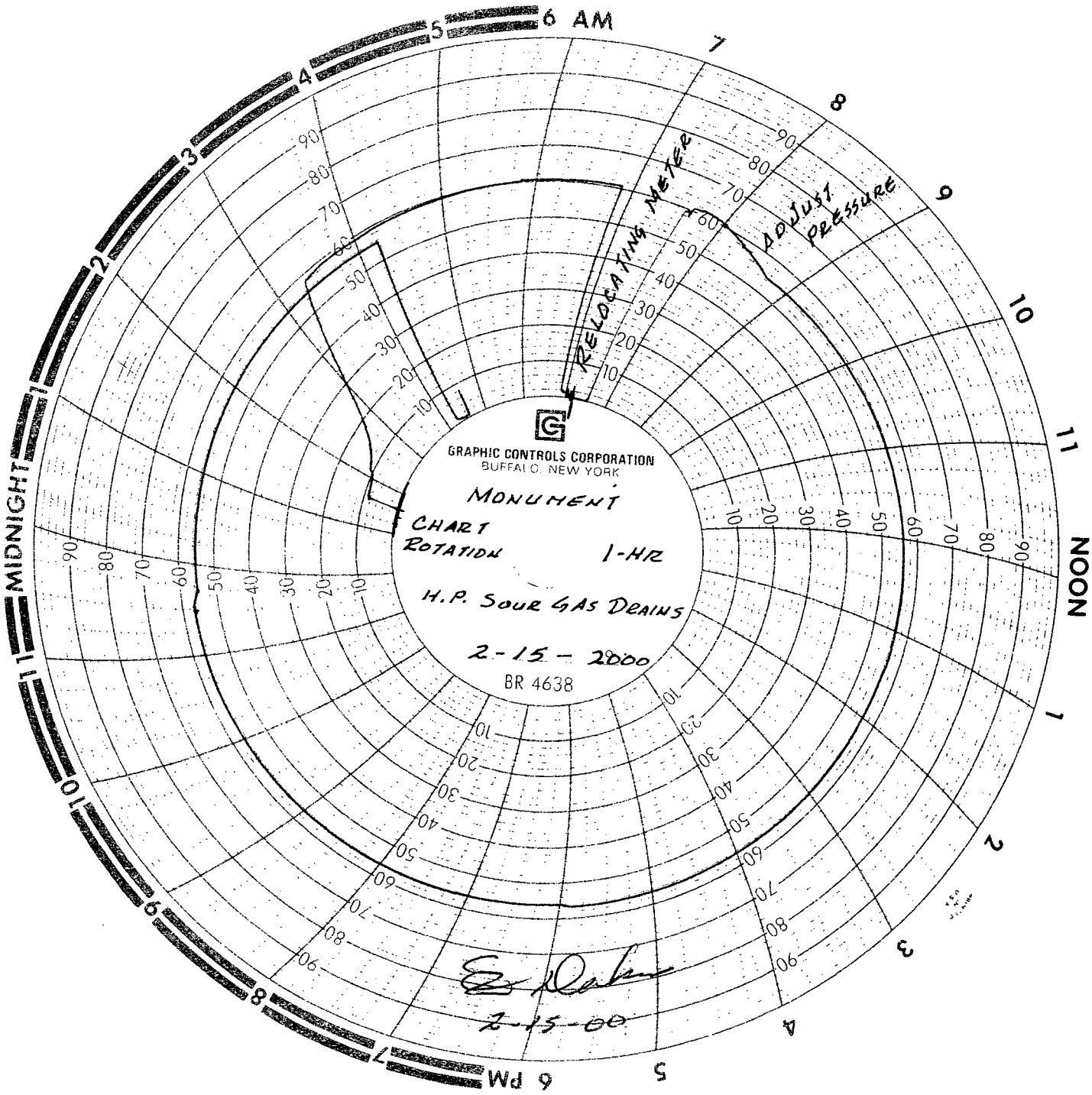
ENG REC		DATE
DRAWN	DK	5/27/88
CHECK		
CHECK		
PROJ.		
DESIGN		
REV.		5/27/88

El Paso NATURAL GAS COMPANY

MONUMENT COMPRESSOR STATION
PROTECTIVE CLOTHING DESIGNATED AREAS

SCALE NONE | DWG. NO. JMO-L-26 | REV.

CGC NO. JM0001



MONUMENT DRAIN LINE TESTS - February 2000
4" High Pressure Sour Gas Drain Line From B-Compressor Cooling Tower to Classifier
Ref. Drawings - 1MO-2-P201, 1M0-2-P202, 1MO-1-P15

EL PASO NATURAL GAS COMPANY

MONUMENT COMPRESSOR PLANT
Plant Fuel System Piping Test and Procedure
March 2001

Representatives: Eddie Childers – El Paso Natural Gas Co.
O. R. (Sonny) Dakan – Merryman Construction Co.

Merryman Construction Company
Jal, New Mexico

El Paso Natural Gas Company

MONUMENT FUEL GAS PIPING TEST AND PROCEDURE – 2001

Pressure testing of the fuel gas piping system at Monument Plant was conducted March 22, 2001, using nitrogen as the pressurizing gas. Halliburton Services supplied the nitrogen for this test. Halliburton job log is attached.

During the initial pressuring, some flange gaskets and the valve stem packing of a 2" gate valve at the Auxiliary building were found to be leaking. This is shown on the chart at the 1:30 to 3:00 AM position. These were corrected and the system was put on test. A pressure of 210 psig was maintained on the system for one (1) hour. Ambient temperature for this period averaged 88^0 F. Ground temperature was 58^0 F. In addition to the recorder, pressure was monitored with a liquid-filled 500-psi gauge. No pressure drop was noted during the one (1) hour test.

Recorder used for this test:

Barton 12" Pressure and Temperature Recorder
Serial Number: 202A-104609
Pressure Range: 0 – 500 psi
Temperature Range: 0 – 150^0 F

Measurement Testing Service, Odessa, Texas calibrated the recorder March 16, 2001. Calibration certificate is attached.

Test was conducted by O. R. (Sonny) Dakan, Merryman Construction Company, Jal, New Mexico. EPNG representative was Eddie Childers.

The tested portion of the fuel gas system for Monument Station includes fuel gas piping for A-Plant, B-Plant (including the No. 2 unit) and the Auxiliary Plant.
Fuel gas for this station is supplied through a 6" line from a valve assembly on the 20" Discharge line southwest of the Waste Water Classifier area. There is a 1" valve off this line west of the B-Plant compressor building that supplies pilot fuel to the flare. There are no other taps on this line before it reaches the fuel filter piping assembly west of the A-Plant compressor building. From the fuel filter the line connects to the Fuel Gas Header and the First Cut regulators.

Compressor fuel for both plants is supplied through the 4" orifice meter tube and is regulated at each compressor building. Fuel for the Auxiliary engines and building is supplied through a 2" orifice meter and First Cut regulator. The third, or west run is the "Camp Fuel" meter and regulator which supplies gas to the office. (This piping was not pressured during this test.)

The alternative fuel source from Warren Plant for the No. 2 unit at B-Plant was not tested upstream of the 2" valve as indicated in the following procedure.

There is no record of a pressure test of this system prior to March 2001.

Monument Plant Fuel Gas System Testing Procedure:

(The following steps are marked on the accompanying diagram and plates.)

New gaskets should be used at all flanged connections to avoid possible leaks during the test. Thread sealant or Teflon tape is required at all threaded connections. It is recommended that spiral wound (Flextallic-type) gaskets be used for all flange ratings above ANSI 150.

1. **Start with the entire fuel gas system de-pressured by plant personnel.**

2. **<u>At the 6" valve on the 20" Discharge line</u>, blind plate the down stream side of the 6"ANSI 150 plug valve. Flange spreaders will be needed to insert the plate and gasket.**

3. **Close the <u>1" valve on the fuel gas to the flare pilot</u>. It may be necessary to break the union and install a plug in the valve outlet for future tests.**

(Plate 0)

4. **<u>At fuel filter piping</u>, blind plate 3" ANSI 150 valve on piping from 12"Texaco line; close two (2) 3" valves to isolate fuel filter, open 3" bypass around filter.**

5. **On 1" drain line, break ½" union and remove nipples; plug both ½" 90^0 ells.**

(Plate I &IA)

6. **<u>At west end of fuel gas header</u>, remove 1" plug from ball valve and open the plug valve. The 1" ball valve is the connection point for Nitrogen injection and pressurizing.**

7. **Install blind plate under the 4"ANSI 150 relief valve.**

8. **Install blind plate under the 1 ½"Ansi 150 relief valve.**

9. **To isolate the ½" drain lines at the three (3) meter run by-pass lines, break the underground ½" union and plug the 90^0 ell to the ½" drain header.**

10. **At the east end of the header, break the ½" union, remove the nipple and plug the top 90^0 ell.**

11. **Remove gauge from the ¼" valve on top of the header and connect the recorder and gauge assembly.**

12. **Blind plate the 2"ANSI 150 plug valves to the "Camp Fuel" meter run, at the main header, and the 2"ANSI 150 plug valve on the by-pass. The "Camp Fuel" line furnishes gas for the Office building and was not included in the test.**

13. <u>On the Auxiliary Fuel meter run</u>, blind plate (4) 2" ANSI 150 plug valves to isolate the Fisher Type 99 regulators. Do not subject these regulators to test pressure.

14. Install a jumper hose from the ½" valve on the main header to the ½" coupling downstream of the Fisher regulators. Without this jumper the fuel line to the Auxiliary cannot be pressurized.

15. Remove the sensing lines from both orifice fittings and plug the four (4) ¼" valves.

(Plate II)

16. <u>Inside the east side of the A-Plant compressor building</u>, blind plate the two (2) 2" ANSI 150 valves upstream of the regulators at the fuel gas inlet header.

17. Break the 1" union in the by-pass line and plug the 90^0 ell at the inlet header.

18. Break the ½" union in the in the sensing line at the top of the inlet header and plug the 90^0 ell.

(Plate III)

19. <u>At B-Plant compressor building</u>, blind plate the 2"ANSI 300 valve on the east end of the regulator run at the northeast corner of the building.

20. Remove the gauge and liquid trap piping downstream of the 2" valve and plug the ¼" valve.

(Plate IV)

21. Inside the southeast corner of the building, blind plate the two (2) 2"ANSI 150 valves off the 4" header ahead of the regulators.

22. Break the two (2) 1" unions on the by-pass piping and plug the 90^0 ell at the 4" inlet header.

23. Break the union at the ½" sensing line at the top of the 4" header and install a plug in the ½" 90^0 ell.

24. On the 2" inlet header, blind plate the two (2) 2"ANSI 150 valves off this header ahead of the regulators.

25. Break the two (2) 1" unions on the by-pass piping and plug the 90^0 ell off the 2" header.

26. Open the ½" and ¼" valves on the 3/8" jumper tubing connecting the 4" and 2" inlet headers. [This will allow pressurizing the 2" line from the northeast end of the building, (Item 19).]

(Plate V)

27. Inside the northeast corner of the Auxiliary building, blind plate the two (2) 2"ANSI 150 valves ahead of the fuel gas regulators.

28. Remove the gauge from the ½" coupling ahead of the regulator and install a ½"plug.

(Plate VI)

29. Outside the northeast corner of the building, break the 1" union in the line to the building heaters, remove the valve and nipple and install a 1" plug in the coupling on the 2" line.

30. At the main fuel gas header, connect the nitrogen line to the 1" valve (Item 6) and the recorder and gauge to the ¼" coupling on the top of the header (Item 11). Pressurize the system to 210 psig and maintain for one (1) hour.

31. Record the ambient and ground temperatures on the chart upon completion.

32. Check all connections and valve stems for leakage using "Snoop" or an equivalent leak detector. Tighten connections or replace gaskets as necessary.

33. Reverse the above procedure after the test ensuring that all flanges and threaded connections are leak-tight.

34. Purge the system and return to service.

Reference Drawings:

No updated drawings were available.

FIN FAN

(PLATES I & IA)

AUXILIARY BUILDING

WATER TANKS

O.H. TANK

FIN FAN

PUMP HOUSE

WATER TRTE & SHOP BUILDING

CLASSIFIER

PUMP & FILTER BLDG.

DRIP TANK

(PLATE II)

"A" COMPR. BUILDING

(PLATE IV)

(PLATE III)

"B" COMPR. BLDG.

OFFICE

1ST CUT REGULATOR AREA

(PLATES I & IA)

OIL STORAGE

(PLATE "D")

FUEL FILTER

PUMP ROOM

COOLING TOWER

TO FLARE

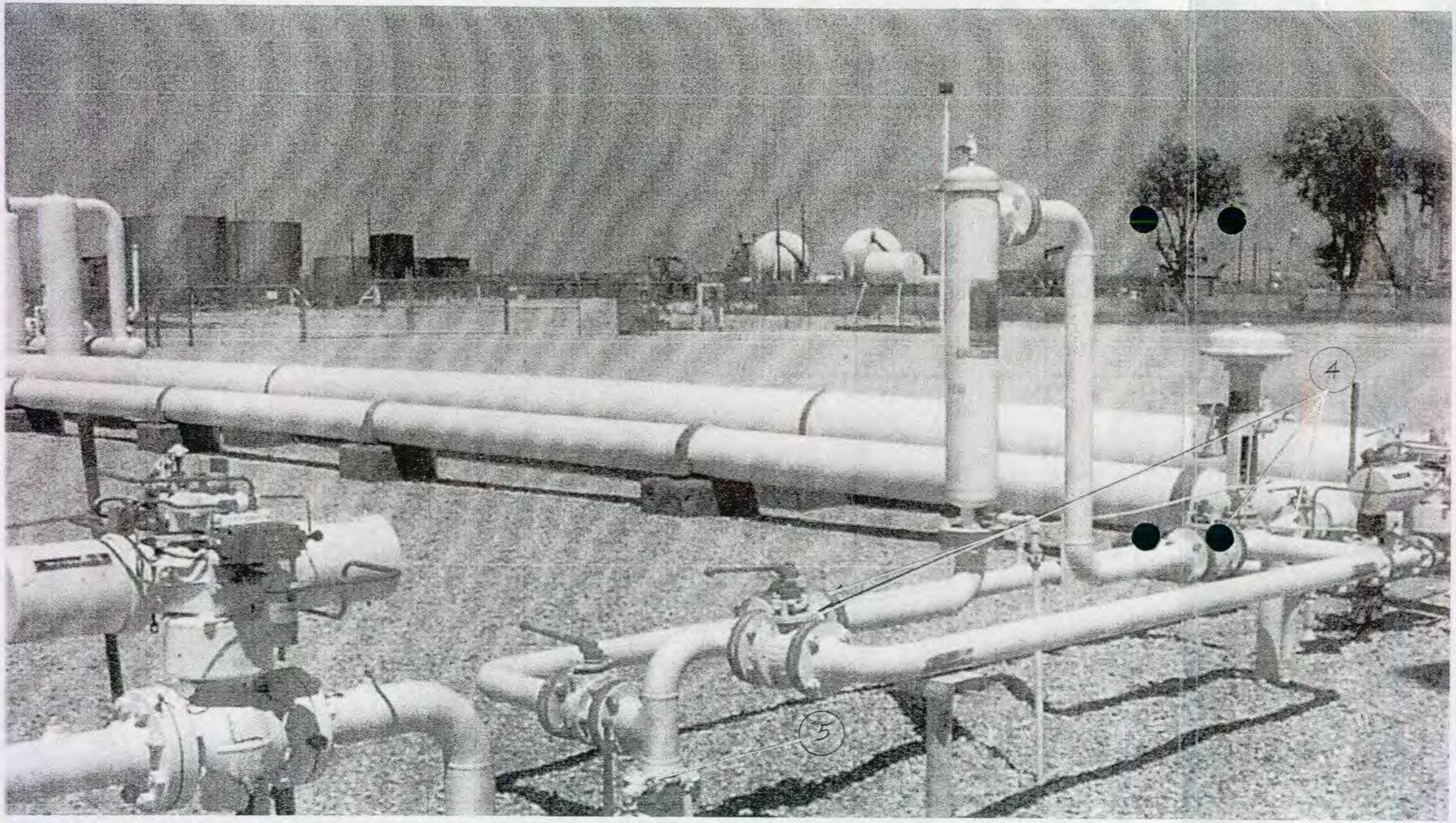
NOTE:

THIS DIAGRAM IS FOR LOCATION OF FACILITIES. PROCEDURE ITEMS ARE NOTED ON THE ACCOMANYING PLATES (PHOTOS).

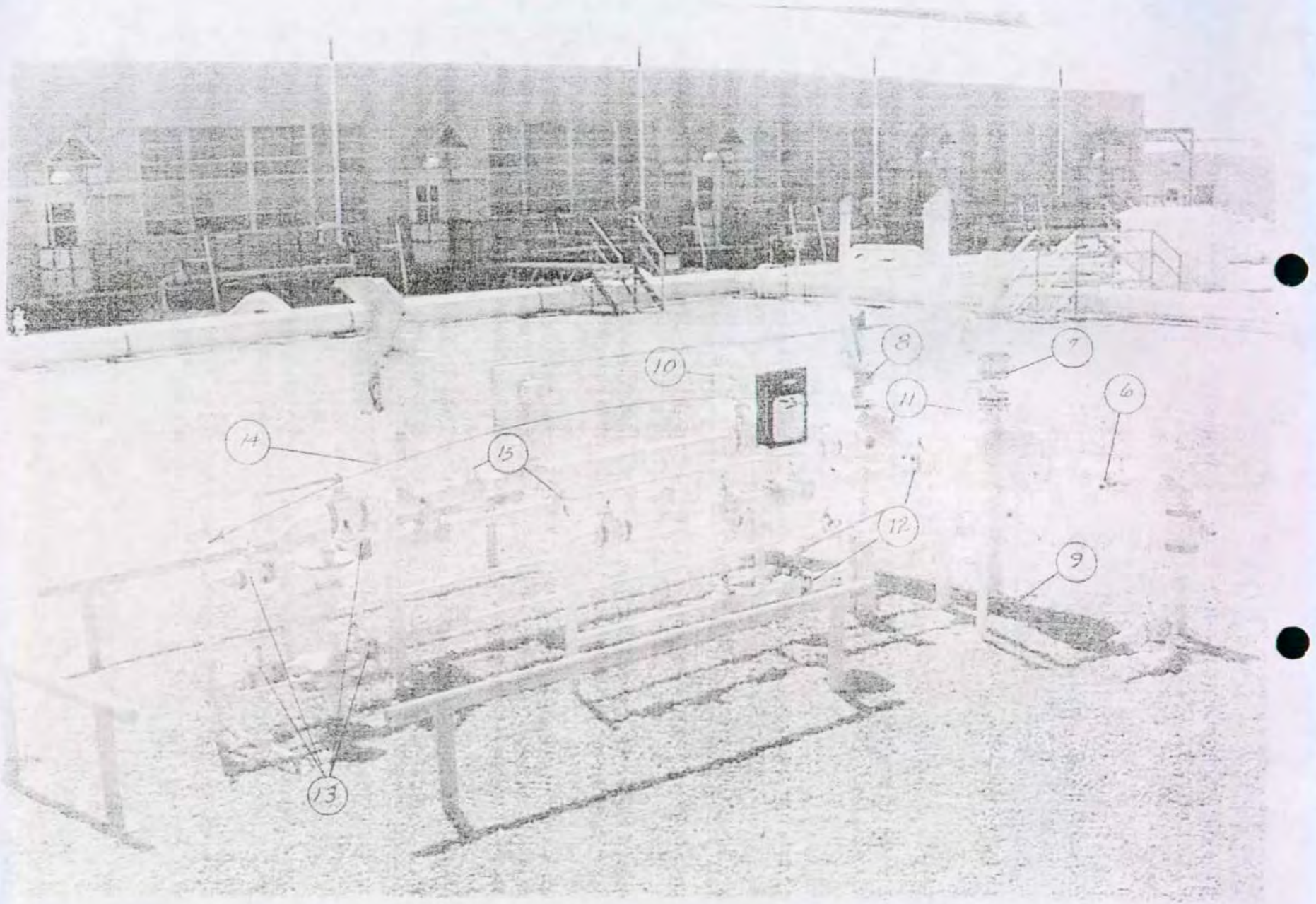
NOT TO SCALE

MERRYMAN CONSTRUCTION COMPANY
Jal, New Mexico

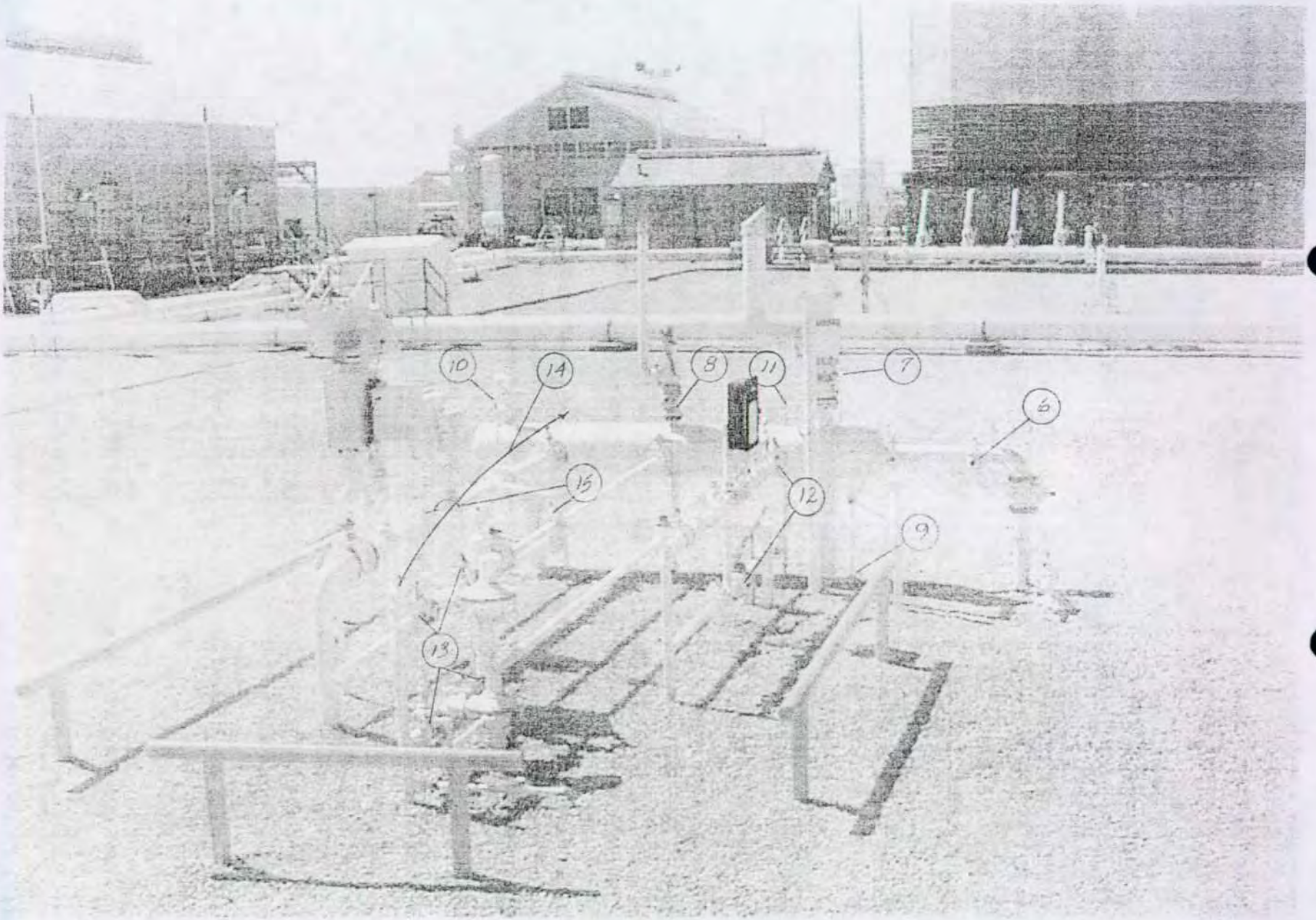
El Paso Natural Gas Company – Monument Plant
Fuel Gas System Pressure Test – System Diagram



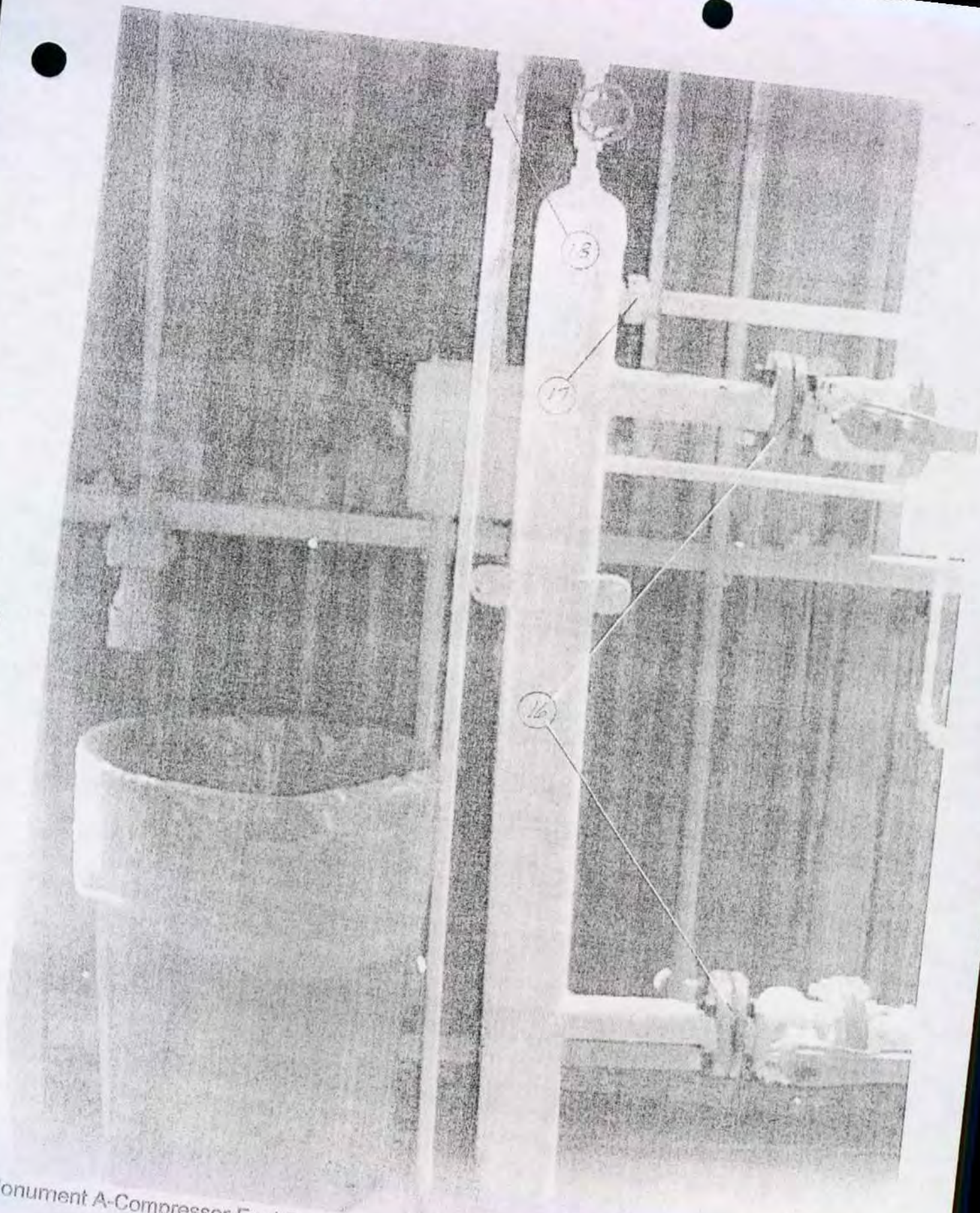
Monument Fuel Filter and By-pass----------PLATE 0



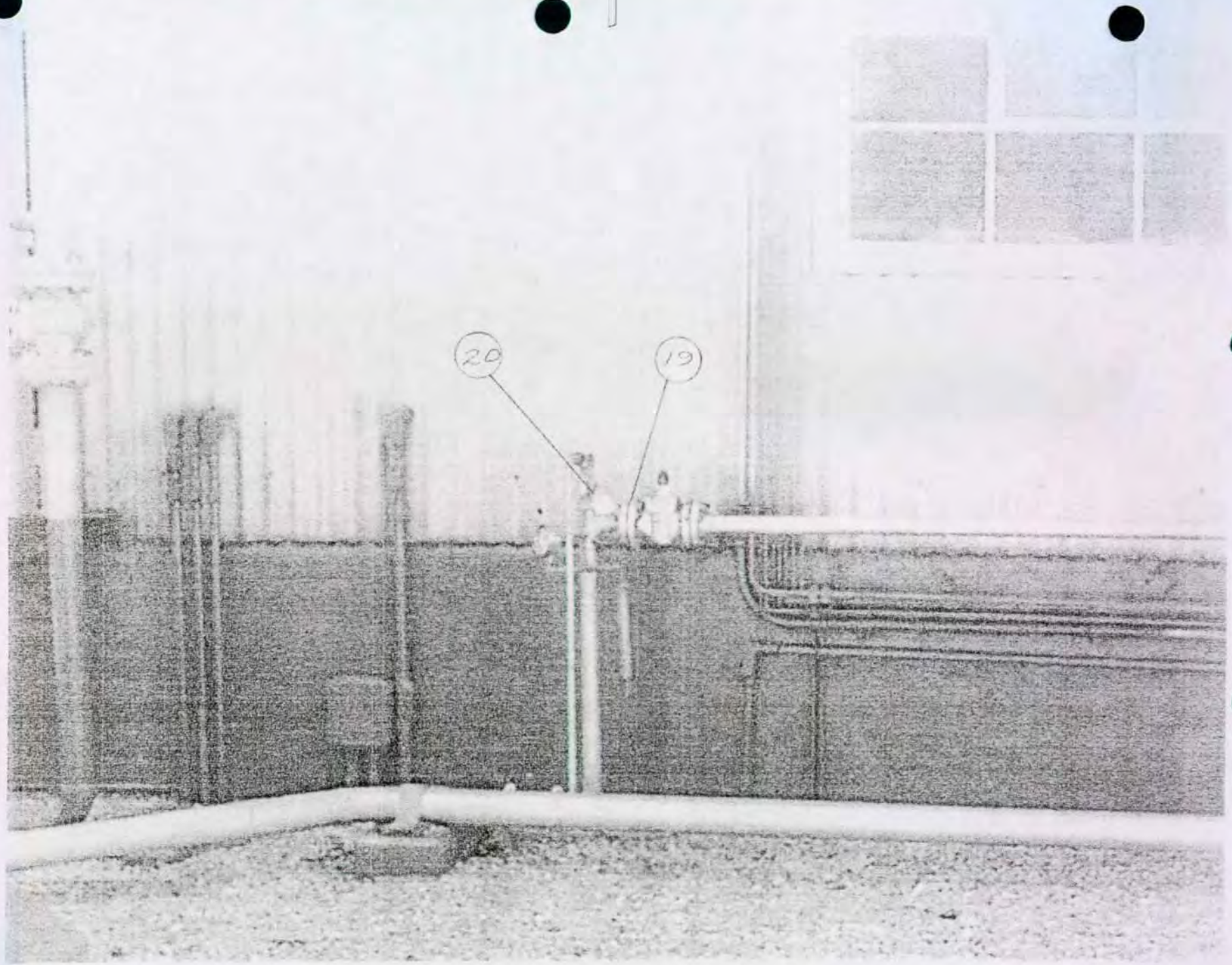
Monument Fuel Header and 1st Cut Regulators----------PLATE I



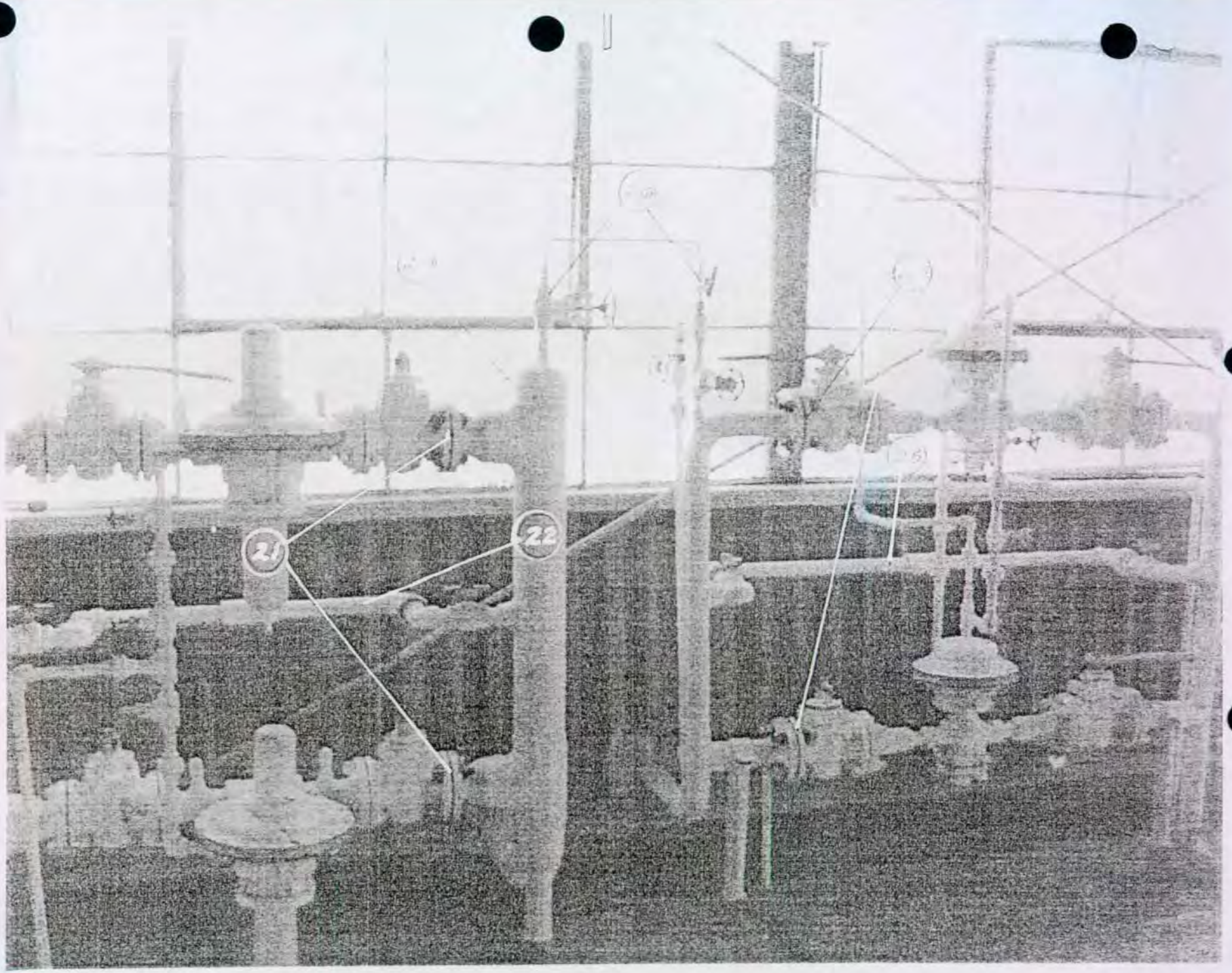
Monument Fuel Header and 1st Cut Regulators----------PLATE IA



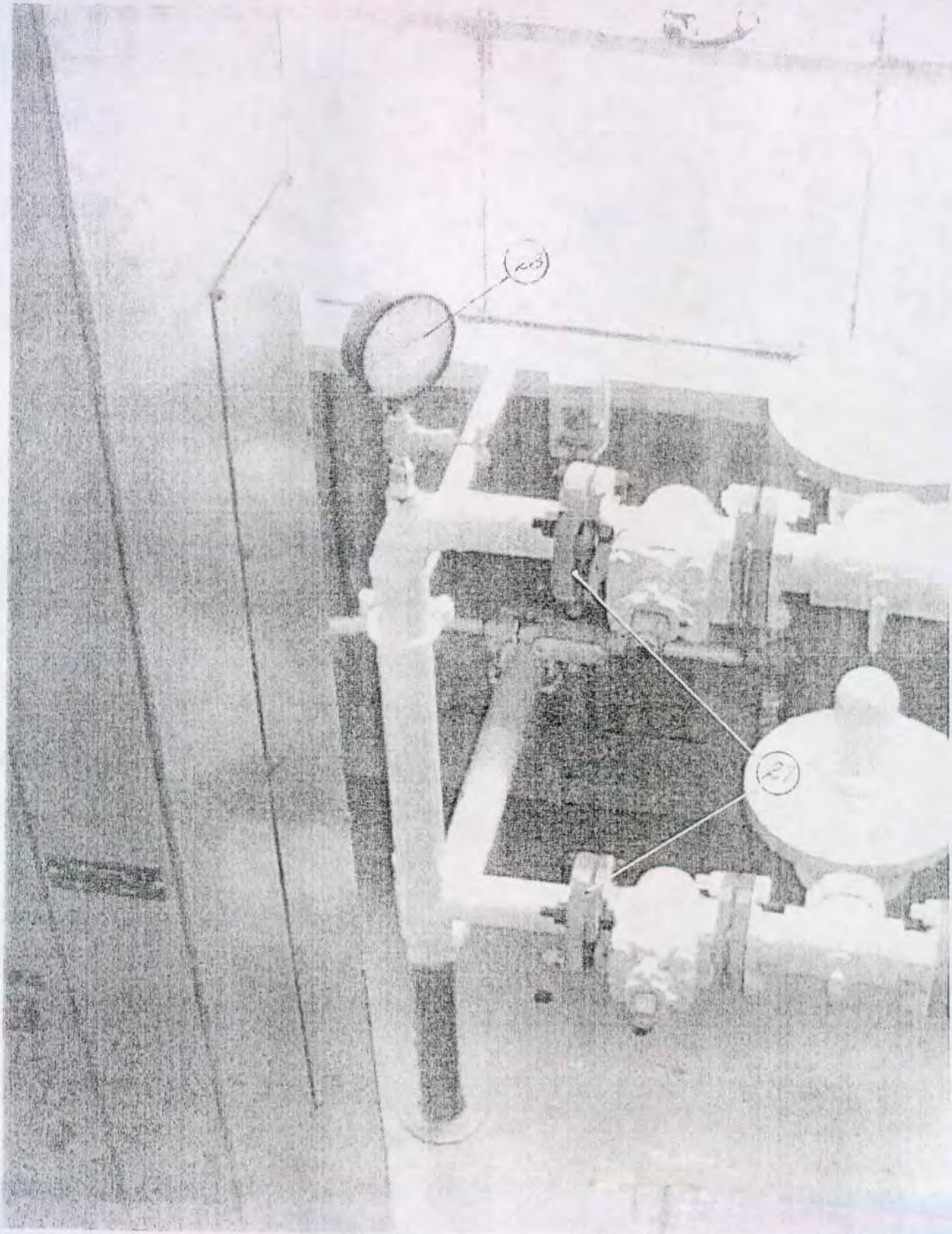
Monument A-Compressor Fuel Regulators----------PLATE II



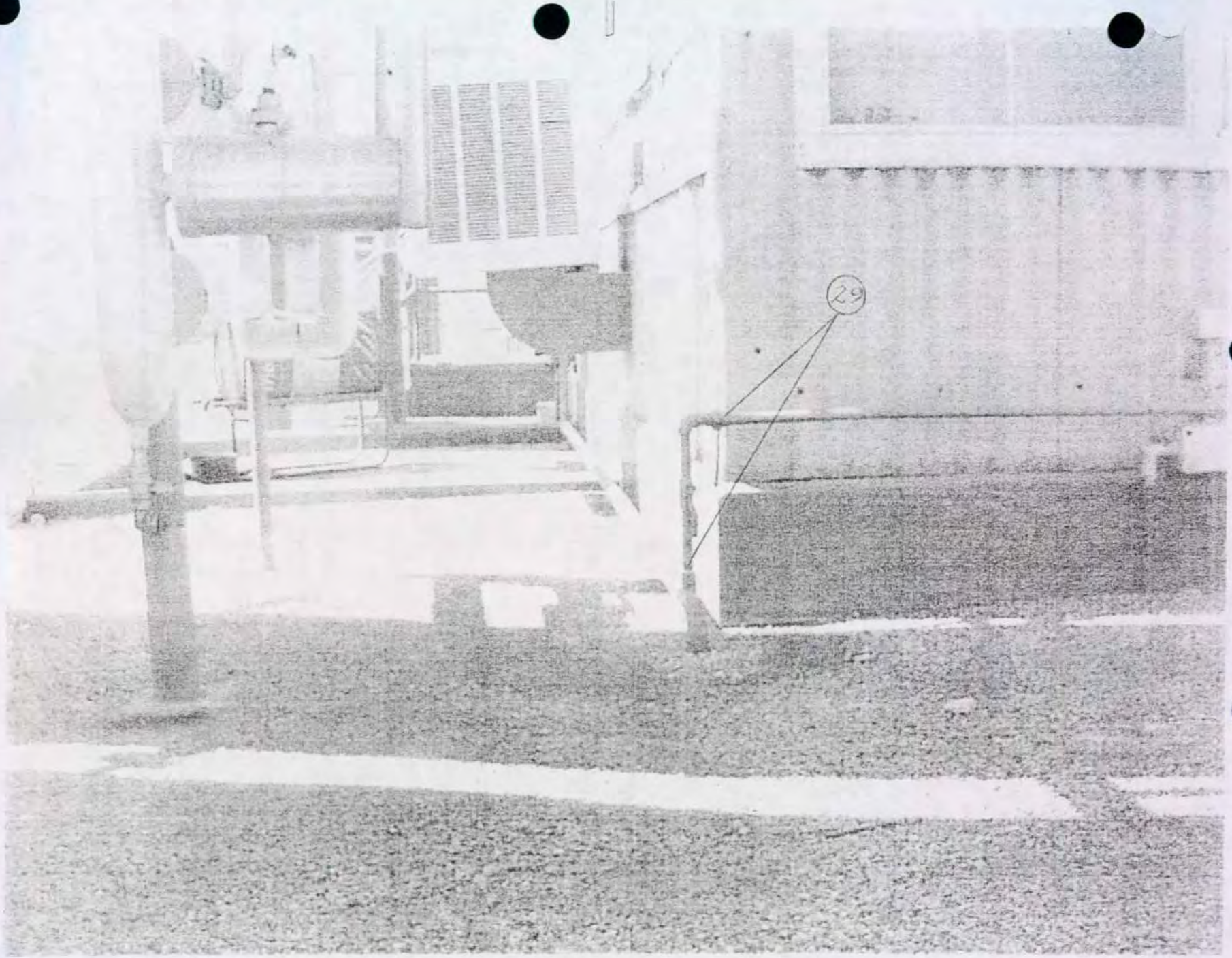
Monument B-Compressor Aux. Fuel Block Valve ----------PLATE III



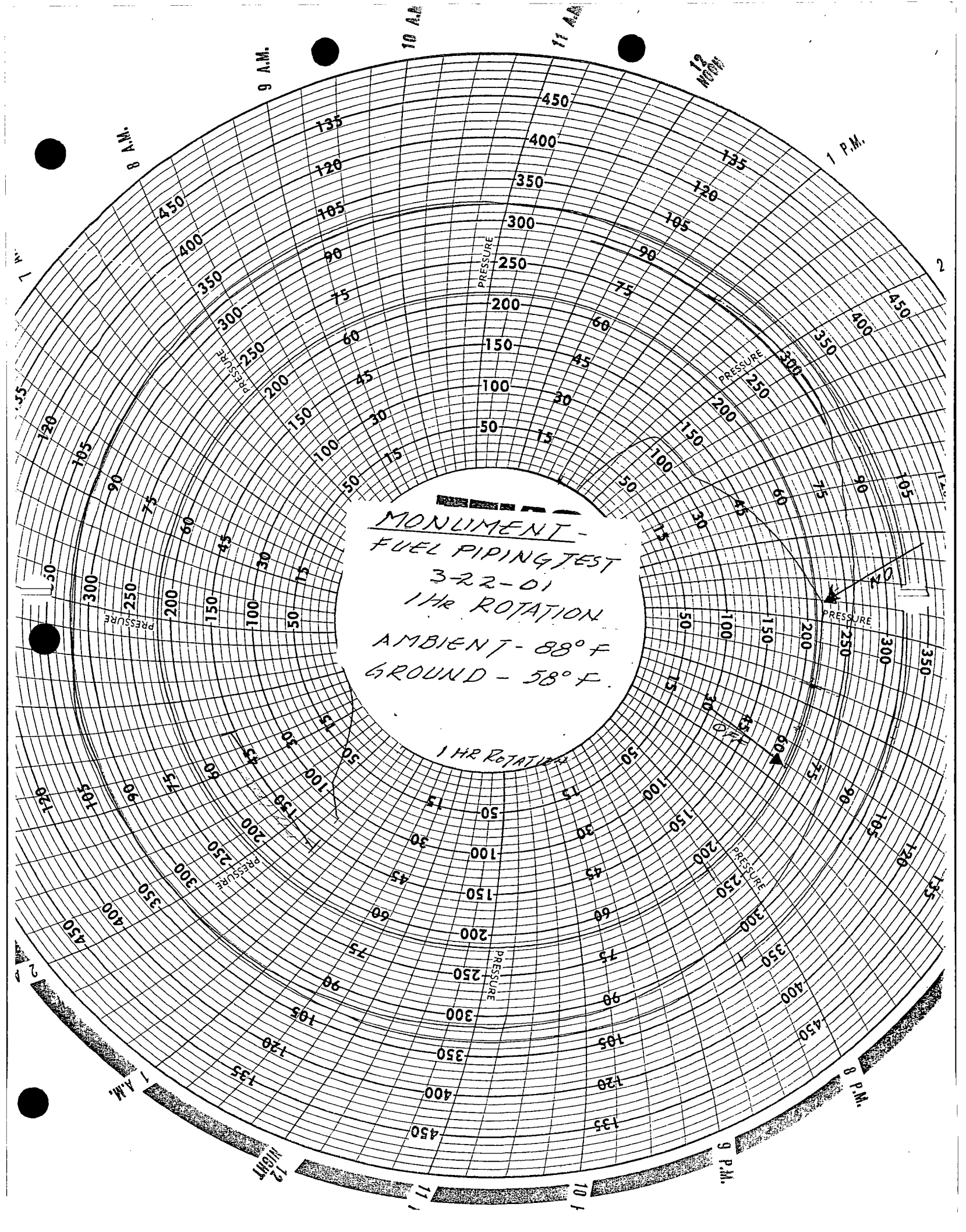
Monument B-Compressor Fuel Regulators----------PLATE IV



Monument Auxiliary Unit 2nd Cut Regulators----------PLATE V



Monument Auxiliary - Fuel to Heaters----------PLATE VI


MONUMENT -
FUEL PIPING TEST
3-22-01
1 Hr ROTATION
AMBIENT - 88° F
GROUND - 58° F.
1 HR ROTATION
PRESSURE
8 A.M.
9 A.M.
10 A.M.
11 A.M.
12 NOON
1 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.
12 MIDNT
1 A.M.
2 A.M.

P.O. BOX 15061
ODESSA, TEXAS 79768-5061
(915) 550-4899

GREG BINGHAM
OWNER

MEASUREMENT TESTING SERVICE
CERTIFICATION OF CALIBRATION

CUSTOMER: ACE HI RENTALS, INC.
ADDRESS: P.O. BOX 1189 ODESSA, TEXAS P.O. NUMBER: 4410
DESCRIPTION OF INSTRUMENT: BARTON 12" PRESSURE & TEMPERATURE RECORDER
SERIAL NUMBER: 202A-104609 PRESSURE RANGE: 0-500 TEMP. RANGE: 0 -150F.

TESTING CONDITIONS

ACCURACY: .50% + OR - 2.5 PSI POSITION: VERTICAL TEMPERATURE: 72F.

INCREASING PRESSURE

APPLIED PRESSURE	INDICATED PRESSURE	DIFFERENCE
0	0	0
50	50	0
100	100	0
150	150	0
200	200	0
250	250	0
300	300	0
350	350	0
400	400	0
450	450	0
500	500	0

TEMPERATURE

APPLIED TEMPERATURE	INDICATED TEMPERATURE	DIFFERENCE
32F.	32F.	0
45F.	45F.	0
75F.	75F.	0
105F.	105F.	0
135F.	135F.	0
150F.	150F.	0

This is to certify that this instrument has been inspected and tested against Pressure Standard Chandler Deadweight Tester S/N 4740 , CRYSTAL S/N 2362905004 traceable to the National Bureau of Standards, traceability reference available upon request compensated to local acceleration due to gravity.

SPECIAL CONDITIONS:

DATE OF INSPECTION: 3-16-01 INSPECTOR: Greg Bingham

MEASUREMENT

HALLIBURTON

JOB LOG

ORDER NO: 70006

TICKET #	TICKET DATE
1205[illegible] / 1.319721	3-22-01

REGION	NWA/COUNTRY	BDA / STATE	COUNTY
North America	U.S.	NM	1-A

MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT
227202 104020	Wes Duncan	N2

LOCATION	COMPANY	CUSTOMER REP / PHONE
Odessa, TX	Merrimac Co. T.	Sonny Dakan

TICKET AMOUNT	WELL TYPE	API / UWI #
	10	

WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE
1-A Monument Stn.	N2	1.03

LEASE / WELL #	SEC / TWP / RNG
Compressor Facility N2	

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
W. Duncan 104020 5							

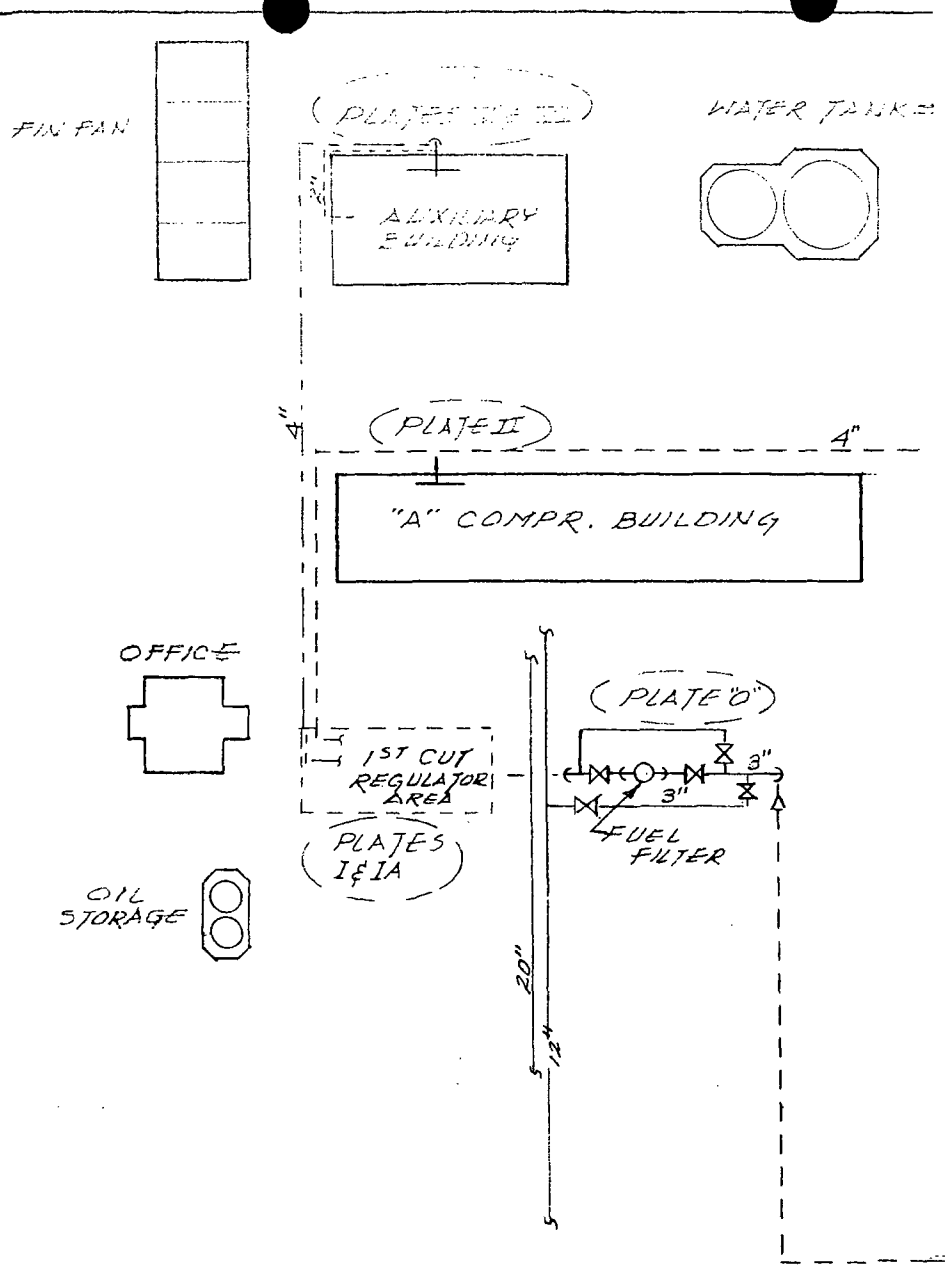
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS T	PUMPS C	PRESS. (psi) Pipe	PRESS. (psi) Csg	JOB DESCRIPTION / REMARKS
1 N	12:00							On loc
2	12:30							Rig up
3	12:00							Safety mtg
4	1:50							C.D.
5	2:05	500				167		St. N2
6	2:15	"	5000			210		Shut N2 down
7	2:58	"				212		St. N2
8	3:06	"	4000			220		Shut N2 down; wait
9								9,000 scf D.H.
10								40,000 scf C.D. x 2
								49,000 scf used
								Thank You
								Wes Duncan

Monument Plant Fuel Gas Piping Test

Material Checklist

(Compiled for 2001 Test)

Description		Size		No. Required		
Blind Plates:		6" ANSI 150		1		
		4" ANSI 150		1		
		3" ANSI 150		1		
		2" ANSI 300		1		
		2" ANSI 150		14		
		1 1/2" ANSI 150		1		
Gaskets:		6" / 150		2		
		4" / 150		2		
		3" / 150		2		
		2" / 300	Flextallic	4		
		2" /150		28		
		1 1/2"/ 150		2		
Threaded Fittings						
Hex Head Plugs		1/4"		6		
		1/2"		8		
		3/4"		0		
		1"		7		
Hex Head Bushing		1" x 1/2"		1		
Leak Detector (Snoop)				4		
Teflon Tape				4		
1/2" High Pressure Hose	M x F	20 ft, 1/2" NPT		1		
Flange bolts to be replaced as required. Determine quantity at initial inspection						



NOTE:

THIS DIAGRAM IS FACILITIES. PROCE-
ON THE ACCOMANYIN-

NOT TO SCALE

EL PASO NATURAL GAS COMPANY

MONUMENT COMPRESSOR PLANT
Plant Drain Classifier Tank and Oil Storage Tank
Pressure Test and Procedure
April 2002

Representatives: Eddie Childers – El Paso Natural Gas Co.
Mel Rodriquez- El Paso Natural Gas Co.
O. R. (Sonny) Dakan – Merryman Construction Co.

El Paso Natural Gas Company

Monument Plant Classifier and Oil Tanks Pressure Test

On April 23, 2002, revisions of the piping at the Classifier tank were started. These revisions were required to install a 4-inch ball valve in the main inlet line to this tank. The existing valve was a wafer-type valve and would not seal sufficiently in the closed position to permit pressuring the tank. Upon removal, it was noted that the elastomer seal in this valve was swelled indicating that this material was not suitable for this service. The new valve is a Balon 4" ANSI 150 flanged valve with Teflon seats. A 12" flanged spool was installed between the tank flange and the valve flange to allow installation of a 48" diameter valve box (corrugated culvert).

The difference in valve length (2" vs 10 ½") required moving the inlet piping flange and other piping connected to the main header 20" north.

During initial pressuring to 3 psig on April 29, 2002, several leaks were located and repaired but the tank would not contain the pressure. The following day two (2) holes were found and patched in the top of the tank under the pump mounting base. This area has high metal loss due to severe corrosion. This portion of the tank was sandblasted to remove as much of the rust as possible but some areas are inaccessible and still have heavy rust build-up under the pump mount base.

On April 30, the test was conducted and a pressure of 4 psig was maintained for one (1) hour on both the Oil tank and Classifier tank.

Recorder used for this test:
Clif Mock 12" Single Pen Recorder

Serial Number	RS-036
Pressure Range	0 – 10 psig

Measurement Testing Service, Odessa, Texas, furnished and calibrated the recorder April 24, 2002. Calibration information is attached.

Test conditions:

Ambient Temperature	87^0 F
Wind	10 – 20 mph
Cloudy	

All plant low-pressure drains, high-pressure drains and sewage effluent drain in to the Classifier tank; oil and hydrocarbons are separated and gravity flows to the Oil tank.

This is the first recorded pressure test of these tanks and was conducted by O. R. (Sonny) Dakan, Merryman Construction Company, Jal, New Mexico. EPNG representatives were Eddie Childers and Mel Rodriquez.

Monument Plant Classifier Tank and Oil Tank Testing Procedure
(The following steps are marked on the accompanying diagram.)

New gaskets should be used at all flanged connections to avoid leaks during the test. Thread sealant or Teflon tape is required on all threaded connections. Silicone sealant must be used on both sides of the manway gaskets.

Liquid levels (oil and water sides) should be lowered as much as practical prior to beginning these preparations

1. **<u>At the filter/pump building:</u>**
   Close the 2" and 4" valves in the lines out of the filters to the 4" return header to the Classifier tank.

2. **<u>At truck loading valves:</u> Blind plates have been installed in the outlet flanges of these valves. Check flange bolts and tighten as required.**

3. **<u>At underground Oil Storage Tank:</u>**
   a. **Clean 4" vent stack and install expandable plug.**
   b. **Remove thief hatch cover, clean 8" opening and install expandable plug.**

4. **<u>At Classifier Tank:</u>**
   a. **Remove two (2) vertical turbine pumps, clean 8" openings and install expandable plugs.**

   b. **Clean 6" vent stack and install expandable plug. It is not necessary to remove this vent piping at the flange.**

   c. **Install expandable plugs in the two (2) 4" couplings located between the south manway and the pump base. It is necessary to use 4" Victaulic coupling gaskets on the outside of the rubber boot of the 4" expandable plugs to fit the openings of these couplings.**

   d. **Close 2" valve on west side of the tank.**

   e. **Close 6" valve at the main inlet header (located in the valve box on the north side of the tank).**

   f. **Remove the two (2) manway covers and clean mating surfaces, install new gaskets using silicone sealant on both sides. If time permits, do not tighten the bolts completely until the silicone sealant has had time to set up slightly.**

5. **Install two (2) ½" valves and nipples in the couplings in the center of the covers. These valves will be used for pressuring the tanks. There is a divider inside the**

center of the tank requiring a manifold that will pressure both sides and permit attaching the gauges and pressure recorder.

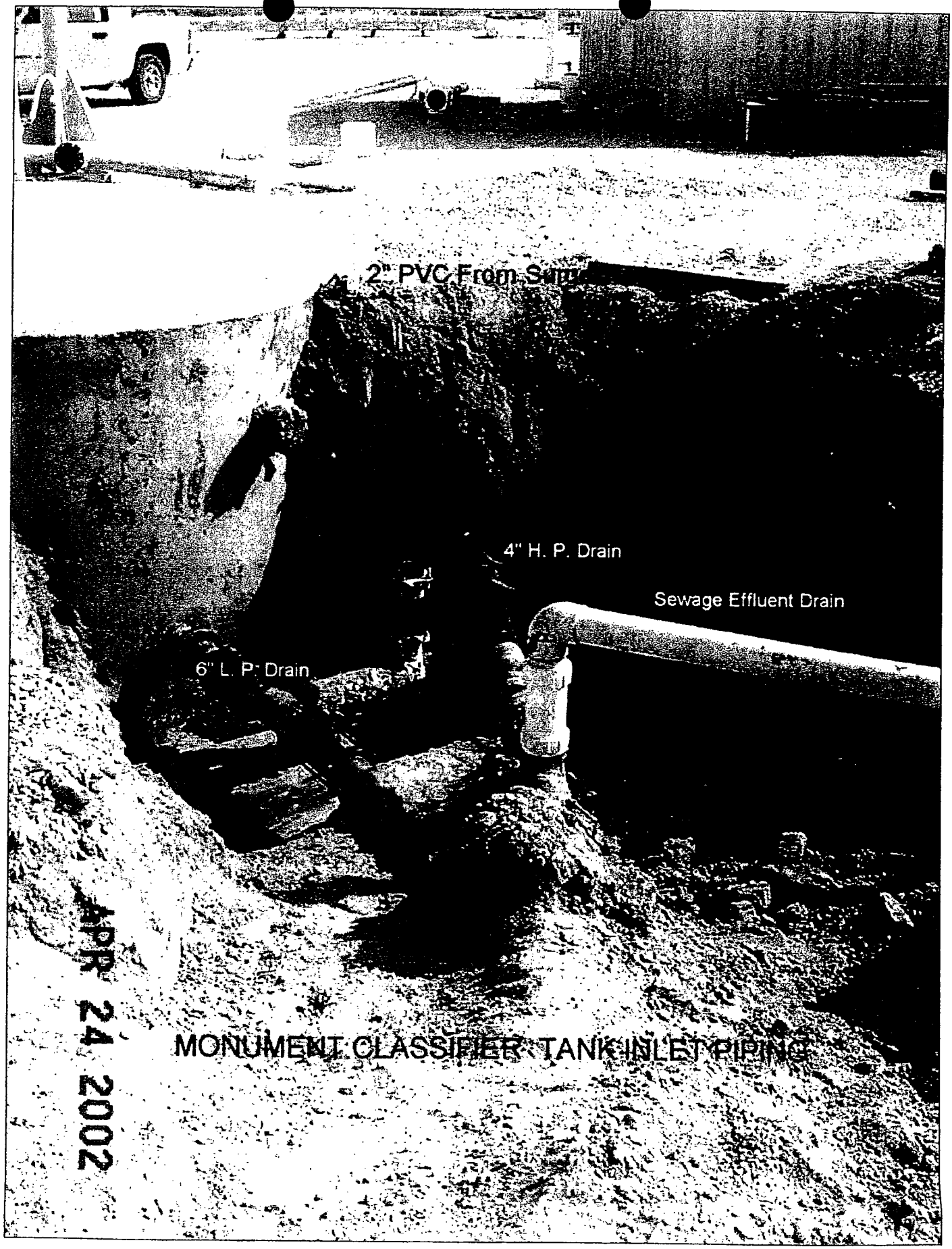
6. Using air, pressure the tanks to 4 psig and maintain for one (1) hour. Check all plugs and connections for leaks. Special attention should be given to the top of the tank under the pump mounting area.

7. Upon completion of the test, reverse the above procedure and reinstall the vertical turbine pumps.

SAFETY PRECAUTIONS

Both the Oil Tank and Classifier will have hydrocarbon vapors present inside the tanks. When cleaning the openings in the tanks (pump mounts, vents, etc.) use brass tools and wire brushes to minimize chances of creating sparks. Do not work directly over the openings especially the manway in the oil side of the Classifier tank.

Do not stand or bend over any of the expandable plugs when pressuring or testing the tanks. These plugs will sometimes blow out of the openings if the surface is not cleaned properly or the plug is not tightened sufficiently. Always tether these plugs with rope to prevent them from flying out and causing injury.



MONUMENT CLASSIFIER TANK INLET PIPING

APR 24 2002

SEE IMO-1-M3

SPOOL LINE (A.C. TR SEE) 5-3+42'-0"

AREA LIMIT 5-3+32'-0"

EXIST PIPING

6" VENT STACK

4" PVC FROM SEWAGE SUMP PUMP

PIPING REVISED 4-24-02

5-3+68'-0"

3+15'-0"

6"(PVC)

FIN. GRADE EL. 100'-0"

37'-0"

9'-0"

6" PVC (DEAD) IN PLACE

W-1+08'-0"

W-1+20'-0"

W-1+29'-0"

MATCH LINE

4" DISCH. TO ZICE ENGR.

14'-0"

12'-0"

8'-0"

2'-0"

4'-6"

5'-0"

8"

73'-3"

65'-3"

LIGHT POLE

V-2102 OIL STORAGE 5-3+53'-0"

4" OIL

4" OIL TO TRUCK LOADING

4" H2O RET. FM. TRUCK LOADING

8'-2½"

13'-1½"

22'-0"

Y-2101 CLASSIFIER 5-3+75'-0"

3'-0"

25'-0"

27'-0"

20'-0"

15'-0"

2'-2"

5'-11"

10'-11"

7'-6"

13'-8¾"

20½"

9'-6"

4" B.W. TO CLASSIFIER

4" FM. CLASSIFIER

¾" INSTR. AIR

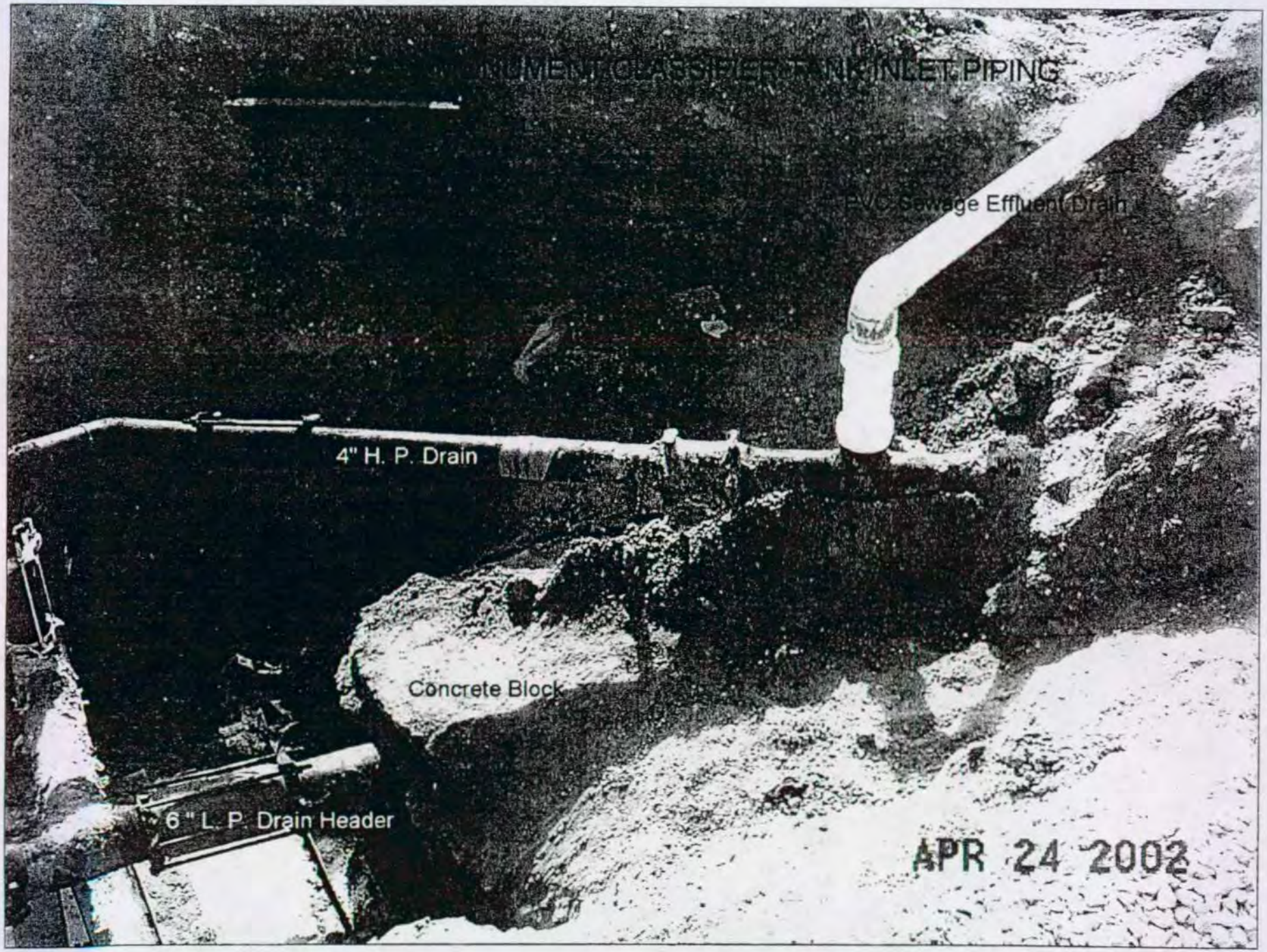
6" PVC (DEAD)

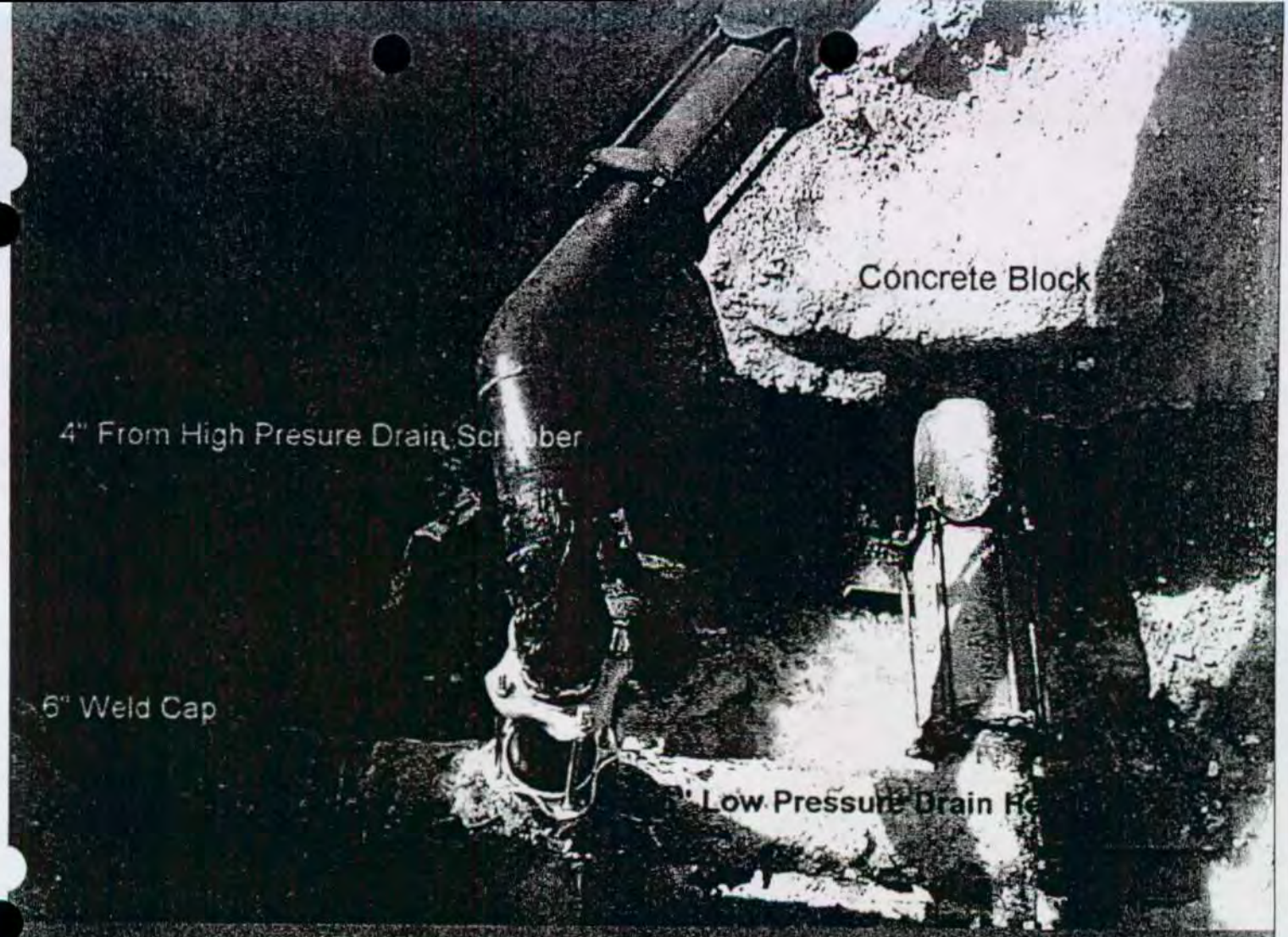
CAP

TIE INTO EXISTING RAW WATER LINE. TO TRT. PLT.

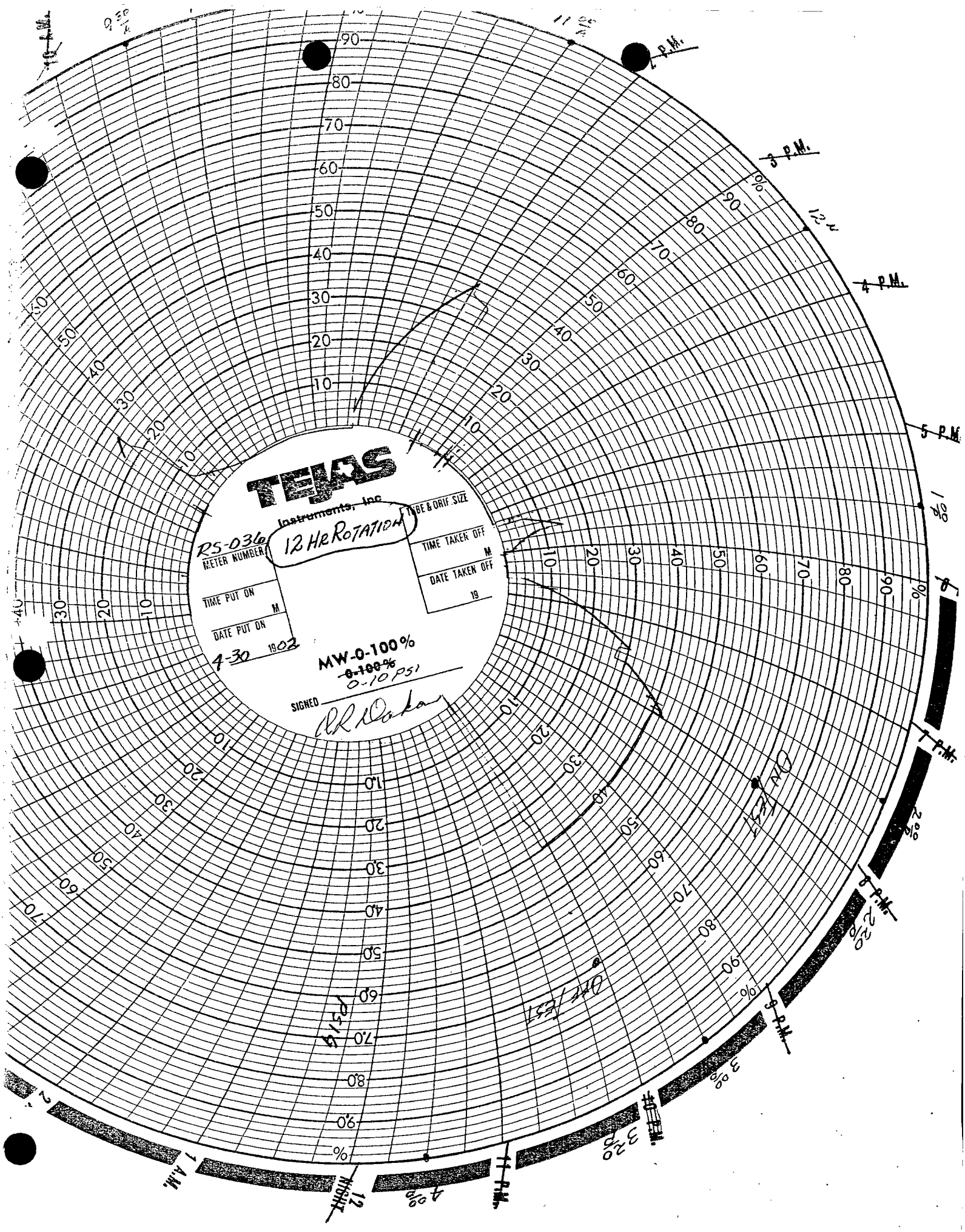
IMO-1-P16

3a 3b 4a 4b 4c 4d 4e 4f 5


UMENT CLASSIFIER TANK INLET PIPING
P.V.C. Sewage Effluent Drain
4" H. P. Drain
Concrete Block
6" L. P. Drain Header
APR 24 2002



MONUMENT CLASSIFIER TANK INLET PIPING


TEXAS
Instruments, Inc
METER NUMBER RS-036
12 HR ROTATION
TUBE & ORIF SIZE
TIME PUT ON
M
DATE PUT ON
4-30 1902
TIME TAKEN OFF
M
DATE TAKEN OFF
19
MW-0-100%
0-100%
0-10 PSI
SIGNED
OFF TEST
OFF TEST
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.
12 MIDNIGHT
1 A.M.
2 A.M.
3 A.M.
4 A.M.
12 N

P.O. BOX 15061
ODESSA, TEXAS 797[illegible]5061
(915) 550-4899

GREG BINGHAM
OWNER

MEASUREMENT TESTING SERVICE
CERTIFICATION OF CALIBRATION

CUSTOMER: MERRYMAN CONSTRUCTION
ADDRESS: JAL, NEW MEXICO P.O. NUMBER:
INSTRUMENT TESTED: CLIF MOCK 12" SINGLE PEN PRESSURE RECORDER
SERIAL NUMBER: RS-036 PRESSURE RANGE: 0-10 TEMP. RANGE: N/A

TESTING CONDITIONS

ACCURACY: + OR – 1% POSITION: VERTICAL TEMPERATURE: 78F.

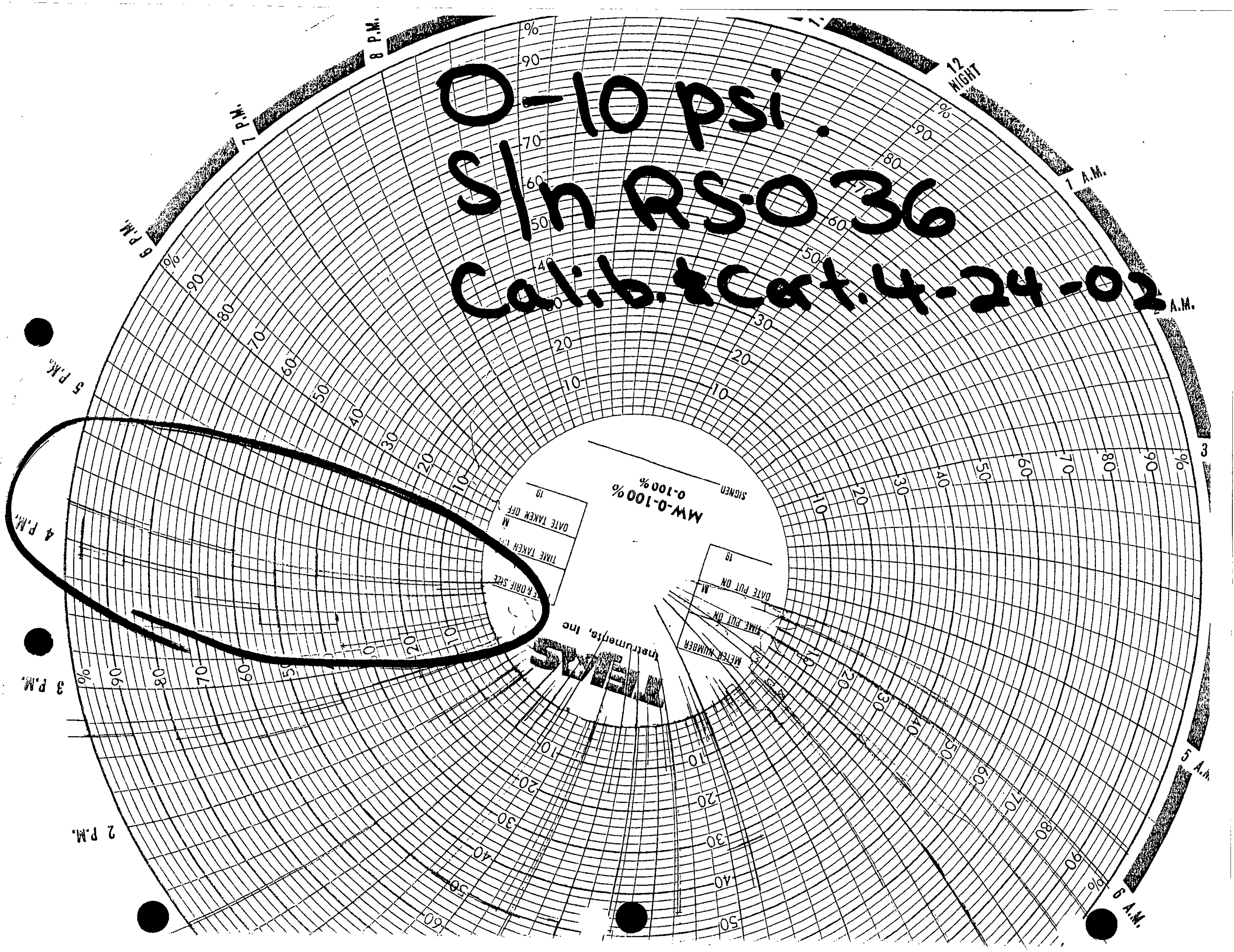
INCREASING PRESSURE

APPLIED PRESSURE	INDICATED PRESSURE	DIFFERENCE
0.0	0.0	0
1.0	1.0	0
2.0	2.0	0
3.0	3.0	0
4.0	3.95	-0.05
5.0	4.95	-0.05
6.0	5.95	-0.05
7.0	6.95	-0.05
8.0	8.0	0
9.0	9.0	0
10.0	10.0	0

This is to certify that this instrument has been inspected and tested against Pressure Standard DCT Test Gauge S/N: 464703, Martel Calibrator S/N 2002 traceable to the National Bureau of Standards, trace ability reference available upon request compensated to local acceleration due to gravity.

SPECIAL CONDITIONS:

DATE OF INSPECTION: 4-24-02 INSPECTOR: Greg Bingham


0-10 psi.
S/n RS036
Calib. Cert. 4-24-02
MW-0-100%
0-100%
SIGNED
DATE TAKEN OFF
TIME TAKEN OFF
DATE PUT ON
TIME PUT ON
METER NUMBER
Instruments, Inc
12 NIGHT
1 A.M.
5 A.M.
6 A.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.

Merryman Construction Company
Jal, New Mexico
Monument Plant Classifier Tank Condition
Observation and Comments

During the installation of the 6" ball valve and piping changes at the inlet of the classifier tank, a large section of the coated tank wall was exposed. The coating appeared to be in good condition and there were no indications of external corrosion in this area.

Coating of the interior could not be observed except at the manway openings and below the pump mounting openings. In these areas the coating appeared to be intact and is adhering to the metal wall. No peeling or blistering of the coating could be seen through these openings.

Extensive corrosion (rust) has occurred in the pump mounting platform and in the top of the tank under and around this platform. Three (3) holes had rusted through the top in this area. It is not known how much further this corrosion and metal loss extends toward the center of the tank. An ultrasonic thickness testing gage was not available at the time this work was in progress. After patching the holes in this area it was possible to pressure the tank to 4 psig and maintain this pressure for one (1) hour indicating that there are no other leaks in the tank at this time.

If the tank top is still thick enough away from the pump mounting area, a new pump mount and a section of the top could be fabricated to replace this portion of the tank top. This could be accomplished by removing as much of the hydrocarbon liquids as possible, filling the entire tank with water, then using a nitrogen blanket to displace any remaining explosive vapors. The old section could be removed and replaced with the fabricated section. Again, if the remainder of the top and upper half of the tank walls are not thinning, this "fix" could add several more years to the life of this tank before it must be replaced.

An ultrasonic inspection of the top and upper portion of the wall is suggested to determine if the above repair is feasible prior to the next annual pressure test.

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 11, 2000

Tom J. Martinez
El Paso Natural Gas Company
One Petroleum Center, Bldg. 2
3300 North A Street, Suite 200
Midland, Texas 79705

Subject: **Closure Plan for the Overflow Contingency Tank at El Paso Natural Gas Company's (EPNG) Monument Compressor Station**

Mr. Martinez:

We have reviewed the sample results sent to us for the closure of the overflow tank at EPNG's Monument Station and find them satisfactory. Please continue your closure processes and submit to us a final closure report upon completion.

Please be advised that NMOCD approval of this plan does not relieve El Paso Natural Gas Company of liability should their operations fail to adequately investigate and remediate contamination that poses a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve El Paso Natural Gas Company of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Ed Martin
NMOCD Environmental Bureau

EL PASO NATURAL GAS

May 31, 2000

Wayne Price
State of New Mexico Oil Conservation Division
Environmental Bureau
2040 S. Pacheco
Sante Fe, New Mexico 87505

Subject: Closure Plan for the Overflow Contingency Tank at El Paso Natural Gas Company's (EPNG) Monument Compressor Station

Mr. Price,

The sample results required by NMOCD for the closure of the overflow tank at EPNG's Monument Station are attached. The results indicate that no hazards exist in the soil or the residue contained within and around the overflow tank. Please review the attached results as quickly as possible as EPNG is awaiting NMOCD approval to complete the closure of the overflow tank at Monument Station.

If you have any questions or comments regarding this issue please do not hesitate to contact me at your leisure.

Tom J. Martinez

Sincerely,
Tom J. Martinez
Senior Environmental Engineer

EL PASO ENERGY

Tom J. Martinez
Senior Environmental Engineer
Pipelines West Environmental Department

El Paso Energy Corporation
One Petroleum Center, Bldg. 2
3300 North A Street, Suite 200
Midland, Texas 79705
Phone (915) 686-3226
Fax (915) 686-3215
Mobile (915) 664-8196
E-mail martinezt@epenergy.com

SAMPLE KEY

SAMPLE NUMBER: M00-0042 LOCATION: Monument Station
MATRIX: Water
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED:
S D CONTINUED:
SAMPLE TIME: 09:10 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0043 LOCATION: Monument Station
MATRIX: SLUDGE
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED:
S D CONTINUED:
SAMPLE TIME: 09:20 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0044 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: BOTTOM SAMPLE - B1
S D CONTINUED:
SAMPLE TIME: 10:25 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0045 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: BOTTOM SAMPLE - B1 DUPLICATE
S D CONTINUED:
SAMPLE TIME: 10:25 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0046 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: BOTTOM SAMPLE - B2
S D CONTINUED:
SAMPLE TIME: 11:00 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0047 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: BOTTOM SAMPLE - B3
S D CONTINUED:
SAMPLE TIME: 11:30 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0048 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: BOTTOM SAMPLE - B4
S D CONTINUED:
SAMPLE TIME: 12:00 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0049 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: BOTTOM SAMPLE - B5
S D CONTINUED:
SAMPLE TIME: 12:30 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0050 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: BOTTOM CORE SAMPLE AT B1 3'DEPTH
S D CONTINUED:
SAMPLE TIME: 13:00 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0051 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: WALL SAMPLE - S1
S D CONTINUED:
SAMPLE TIME: 13:30 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0052 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: WALL SAMPLE - S2
S D CONTINUED:
SAMPLE TIME: 14:00 SAMPLE DATE: 04/04/2000

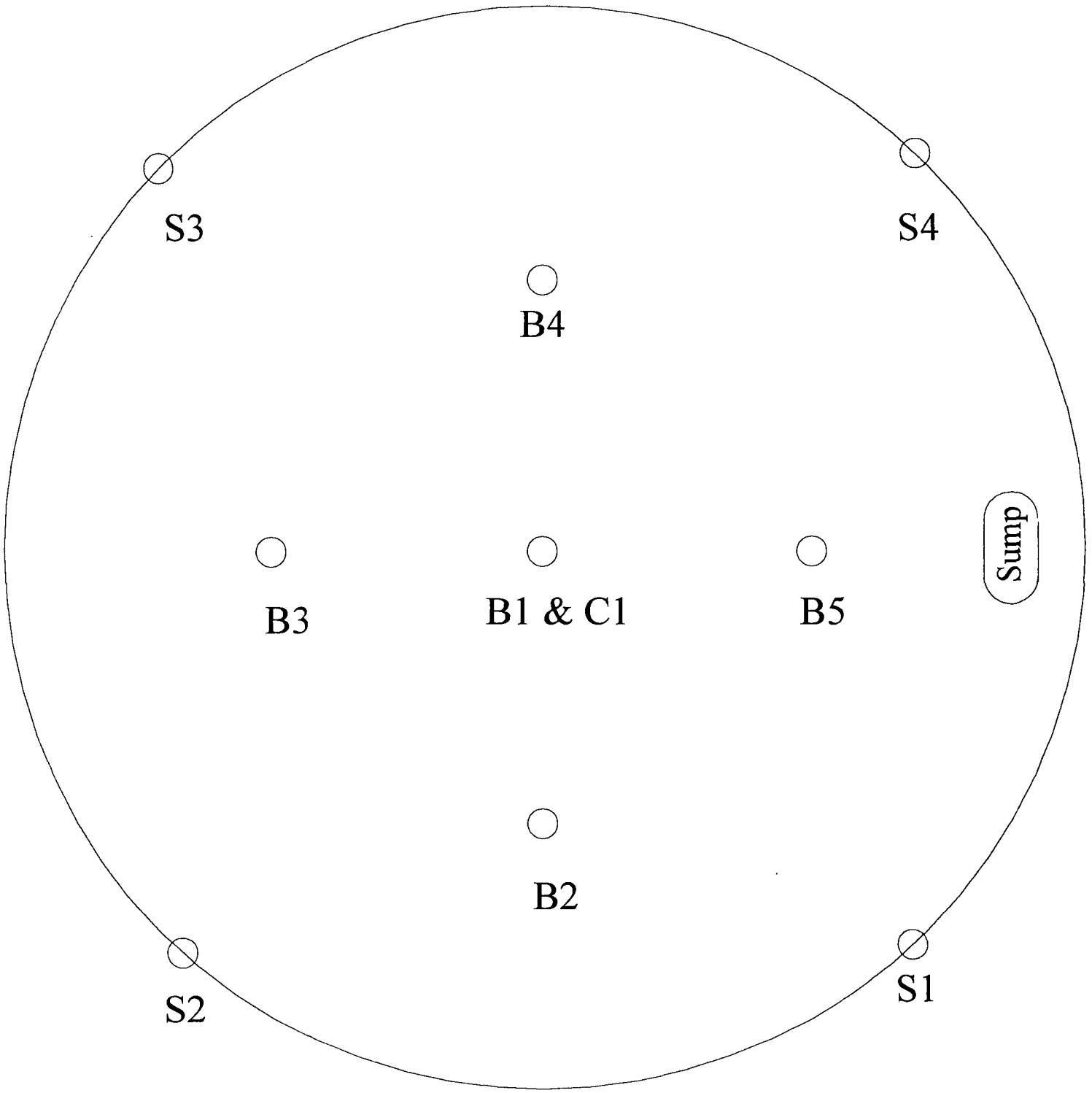
SAMPLE KEY

SAMPLE NUMBER: M00-0053 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: WALL SAMPLE - S3
S D CONTINUED:
SAMPLE TIME: 14:30 SAMPLE DATE: 04/04/2000

SAMPLE KEY

SAMPLE NUMBER: M00-0054 LOCATION: Monument Station
MATRIX: Soil
SAMPLE DESCRIPTION: OVERFLOW CONTINGENCY TANK
S D CONTINUED: WALL SAMPLE - S4
S D CONTINUED:
SAMPLE TIME: 15:00 SAMPLE DATE: 04/04/2000

Monument Plant
Overflow Contingency Tank
Sample Locations



NEL LABORATORIES
Reno • Las Vegas • Boise
Phoenix • So. California

Reno Division
4750 Longley Lane, Suite 106 • Reno, Nevada 89502
775-348-2522 • Fax: 775-348-2546
1-800-368-5221

CLIENT: El Paso Natural Gas Co.
8645 Railroad Dr.
El Paso, TX 79904
ATTN: Darrell Campbell

PROJECT NAME: Monument Plant
PROJECT #: NA

NEL ORDER ID: P0004011

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 4/6/00.

Samples were analyzed as received.

Where applicable we have included the following quality control data:

Method blank - used to demonstrate absence of contamination or interferences in the analytical process.

Laboratory Control Spike (LCS) - used to demonstrate laboratory ability to perform the method within specifications by spiking representative analytes into a clean matrix.

Surrogates - compounds added to each sample to ensure that the method requirements are met for each individual sample.

Should you have any questions or comments, please feel free to contact our Client Services department at (602) 437-0099.

Some results have been flagged as follows:

Hr - Sample received beyond holding time for this parameter.

Jl - The batch MS and/or MSD were outside acceptance limits. The LCS was acceptable.

Some QA results have been flagged as follows:

C - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.

Jl - The batch MS and/or MSD were outside acceptance limits. The LCS was acceptable.

Some surrogate results have been flagged as follows:

Sf - This surrogate was outside acceptance limits.

Doug McCormack
Lab Manager

4-27-00
Date

CERTIFICATIONS:

	Reno	Las Vegas	S. California
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	Reno	Las Vegas	S. California
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	M00-0050
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-09
TEST:	**Volatile Organic Compounds by EPA 8260B, December 1996**		
METHOD:	EPA 8260B	EXTRACTED:	4/10/00
MATRIX:	Solid	ANALYZED:	4/10/00
DILUTION:	1	ANALYST:	BBC - Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acetone	ND	25. µg/kg	1,1-Dichloropropene	ND	5. µg/kg
Benzene	ND	5. µg/kg	cis-1,3-Dichloropropene	ND	5. µg/kg
Bromobenzene	ND	5. µg/kg	trans-1,3-Dichloropropene	ND	5. µg/kg
Bromochloromethane	ND	5. µg/kg	Ethylbenzene	ND	5. µg/kg
Bromodichloromethane	ND	5. µg/kg	Hexachlorobutadiene	ND	5. µg/kg
Bromoform	ND	5. µg/kg	2-Hexanone	ND	25. µg/kg
Bromomethane	ND	5. µg/kg	Iodomethane	ND	5. µg/kg
2-Butanone	ND	25. µg/kg	Isopropylbenzene	ND	5. µg/kg
n-Butylbenzene	ND	5. µg/kg	p-Isopropyltoluene	ND	5. µg/kg
sec-Butylbenzene	ND	5. µg/kg	Methylene chloride (Dichloromethane)	ND	5. µg/kg
tert-Butylbenzene	ND	5. µg/kg	4-Methyl-2-pentanone	ND	25. µg/kg
Carbon disulfide	ND	5. µg/kg	MTBE	ND	5. µg/kg
Carbon tetrachloride	ND	5. µg/kg	Naphthalene	28	10. µg/kg
Chlorobenzene	ND	5. µg/kg	n-Propylbenzene	ND	5. µg/kg
Chloroethane	ND	5. µg/kg	Styrene	ND	5. µg/kg
Chloroform	ND	5. µg/kg	1,1,1,2-Tetrachloroethane	ND	5. µg/kg
Chloromethane	ND	5. µg/kg	1,1,2,2-Tetrachloroethane	ND	5. µg/kg
2-Chlorotoluene	ND	5. µg/kg	Tetrachloroethene (PCE)	ND	5. µg/kg
4-Chlorotoluene	ND	5. µg/kg	Toluene	ND	5. µg/kg
Dibromochloromethane	ND	5. µg/kg	1,2,3-Trichlorobenzene	ND	5. µg/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	5. µg/kg	1,2,4-Trichlorobenzene	ND	5. µg/kg
1,2-Dibromoethane (EDB)	ND	5. µg/kg	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5. µg/kg
Dibromomethane	ND	5. µg/kg	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	5. µg/kg	Trichloroethene (TCE)	ND	5. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	5. µg/kg	Trichlorofluoromethane (Freon 11)	ND	10. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	5. µg/kg	1,2,3-Trichloropropane	ND	5. µg/kg
Dichlorodifluoromethane (Freon 12)	ND	5. µg/kg	1,2,4-Trimethylbenzene	ND	15 µg/kg
1,1-Dichloroethane (1,1-DCA)	ND	5. µg/kg	1,3,5-Trimethylbenzene	ND	5. µg/kg
1,2-Dichloroethane (1,2-DCA)	ND	5. µg/kg	Vinyl chloride	ND	5. µg/kg
1,1-Dichloroethene (1,1-DCE)	ND	5. µg/kg	o-Xylene	ND	5. µg/kg
cis-1,2-Dichloroethene	ND	5. µg/kg	m,p-Xylene	ND	5. µg/kg
trans-1,2-Dichloroethene	ND	5. µg/kg			
1,2-Dichloropropane	ND	5. µg/kg			
1,3-Dichloropropane	ND	5. µg/kg			
2,2-Dichloropropane	ND	10. µg/kg			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	96	74 - 121 %
Dibromofluoromethane	89	80 - 120 %
Toluene-d8	107	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	M00-0050
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-09
TEST:	**Semi-Volatile Organic Compounds by EPA 8270C, December 1996**		
METHOD:	EPA 8270	EXTRACTED:	4/17/00
MATRIX:	Solid	ANALYZED:	4/18/00
DILUTION:	1	ANALYST:	JPR - Reno Division

PARAMETER	Result µg/kg		Reporting Limit	PARAMETER	Result µg/kg		Reporting Limit
Acenaphthene	ND		500. µg/kg	4,6-Dinitro-2-methyl phenol	ND		2500. µg/kg
Acenaphthylene	ND		500. µg/kg	2,4-Dinitrotoluene (DNT)	ND		500. µg/kg
Aniline	ND		1000. µg/kg	2,6-Dinitrotoluene (DNT)	ND		500. µg/kg
Anthracene	ND		500. µg/kg	2,4-Dinitrophenol	ND		2500. µg/kg
Azobenzene	ND		500. µg/kg	Di-n-octyl phthalate	ND		500. µg/kg
Benzo (a) anthracene	ND		500. µg/kg	Fluoranthene	ND		500. µg/kg
Benzo (b&k) fluoranthene	ND		500. µg/kg	Fluorene	ND		500. µg/kg
Benzoic Acid	ND	JI	2500. µg/kg	Hexachlorobenzene	ND		500. µg/kg
Benzo (g,h,i) perylene	ND		500. µg/kg	Hexachlorobutadiene	ND		500. µg/kg
Benzo (a) pyrene	ND		500. µg/kg	Hexachlorocyclopentadiene	ND		500. µg/kg
Benzyl alcohol	ND	JI	1000. µg/kg	Hexachloroethane	ND		500. µg/kg
bis (2-Chloroethyl) ether	ND		500. µg/kg	Indeno (1,2,3-c,d) pyrene	ND		500. µg/kg
bis (2-Chloroethoxy) methane	ND		500. µg/kg	Isophorone	ND		500. µg/kg
bis (2-chloroisopropyl) ether	ND		500. µg/kg	2-Methylnaphthalene	ND		500. µg/kg
bis (2-Ethylhexyl)phthalate	ND		500. µg/kg	2-Methylphenol	ND		500. µg/kg
Butylbenzylphthalate	ND		500. µg/kg	3,4-Methylphenol (isomeric pair)	ND		500. µg/kg
4-Bromophenyl phenyl ether	ND		500. µg/kg	Naphthalene	ND		500. µg/kg
Carbazole	ND		500. µg/kg	2-Nitroaniline	ND		2500. µg/kg
4-Chloroanaline	ND		1000. µg/kg	3-Nitroaniline	ND		2500. µg/kg
4-Chloro-3-methyl phenol	ND		1000. µg/kg	4-Nitroaniline	ND		1000. µg/kg
2-Chloronaphthalene	ND		500. µg/kg	Nitrobenzene	ND		500. µg/kg
2-Chlorophenol	ND		500. µg/kg	2-Nitrophenol	ND		500. µg/kg
4-Chlorophenyl phenyl ether	ND		500. µg/kg	4-Nitrophenol	ND		2500. µg/kg
Chrysene	ND		500. µg/kg	N-Nitrosodi-n-propylamine	ND		500. µg/kg
Dibenzo (a,h) anthracene	ND		500. µg/kg	N-Nitroso-Dimethylamine	ND		500. µg/kg
Dibenzofuran	ND		500. µg/kg	N-Nitrosodiphenylamine	ND		500. µg/kg
Di-n-butyl phthalate	ND		500. µg/kg	Pentachlorophenol	ND		2500. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND		500. µg/kg	Phenol	ND	JI	500. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND		500. µg/kg	Phenanthrene	ND		500. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND		500. µg/kg	Pyrene	ND		500. µg/kg
2,4-Dichlorophenol	ND		500. µg/kg	Pyridine	ND		500. µg/kg
3,3'-Dichlorobenzidine	ND		1000. µg/kg	1,2,4-Trichlorobenzene	ND		500. µg/kg
Diethylphthalate	ND		500. µg/kg	2,4,5-Trichlorophenol	ND		500. µg/kg
2,4-Dimethylphenol	ND		1000. µg/kg	2,4,6-Trichlorophenol	ND		500. µg/kg
Dimethylphthalate	ND		500. µg/kg				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	110	19 - 122 %
2-Fluorobiphenyl	86	30 - 115 %
2-Fluorophenol	90	25 - 121 %
Nitrobenzene-d5	79	23 - 120 %
p-Terphenyl-d14	105	18 - 137 %
Phenol-d5	92	24 - 113 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	000410SD60_1A-BLK
TEST:	**Volatile Organic Compounds by EPA 8260B, December 1996**		
METHOD:	EPA 8260B	ANALYST:	BBC - Division
MATRIX:	Solid	EXTRACTED:	4/10/00
		ANALYZED:	4/10/00

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acetone	ND	25 µg/kg	1,1-Dichloropropene	ND	5 µg/kg
Benzene	ND	5 µg/kg	cis-1,3-Dichloropropene	ND	5 µg/kg
Bromobenzene	ND	5 µg/kg	trans-1,3-Dichloropropene	ND	5 µg/kg
Bromochloromethane	ND	5 µg/kg	Ethylbenzene	ND	5 µg/kg
Bromodichloromethane	ND	5 µg/kg	Hexachlorobutadiene	ND	5 µg/kg
Bromoform	ND	5 µg/kg	2-Hexanone	ND	25 µg/kg
Bromomethane	ND	5 µg/kg	Iodomethane	ND	5 µg/kg
2-Butanone	ND	25 µg/kg	Isopropylbenzene	ND	5 µg/kg
n-Butylbenzene	ND	5 µg/kg	p-Isopropyltoluene	ND	5 µg/kg
sec-Butylbenzene	ND	5 µg/kg	Methylene chloride (Dichloromethane)	ND	5 µg/kg
tert-Butylbenzene	ND	5 µg/kg	4-Methyl-2-pentanone	ND	25 µg/kg
Carbon disulfide	ND	5 µg/kg	MTBE	ND	5 µg/kg
Carbon tetrachloride	ND	5 µg/kg	Naphthalene	ND	10 µg/kg
Chlorobenzene	ND	5 µg/kg	n-Propylbenzene	ND	5 µg/kg
Chloroethane	ND	5 µg/kg	Styrene	ND	5 µg/kg
Chloroform	ND	5 µg/kg	1,1,1,2-Tetrachloroethane	ND	5 µg/kg
Chloromethane	ND	5 µg/kg	1,1,2,2-Tetrachloroethane	ND	5 µg/kg
2-Chlorotoluene	ND	5 µg/kg	Tetrachloroethene (PCE)	ND	5 µg/kg
4-Chlorotoluene	ND	5 µg/kg	Toluene	ND	5 µg/kg
Dibromochloromethane	ND	5 µg/kg	1,2,3-Trichlorobenzene	ND	5 µg/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	5 µg/kg	1,2,4-Trichlorobenzene	ND	5 µg/kg
1,2-Dibromoethane (EDB)	ND	5 µg/kg	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5 µg/kg
Dibromomethane	ND	5 µg/kg	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5 µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	5 µg/kg	Trichloroethene (TCE)	ND	5 µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	5 µg/kg	Trichlorofluoromethane (Freon 11)	ND	10 µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	5 µg/kg	1,2,3-Trichloropropane	ND	5 µg/kg
Dichlorodifluoromethane (Freon 12)	ND	5 µg/kg	1,2,4-Trimethylbenzene	ND	5 µg/kg
1,1-Dichloroethane (1,1-DCA)	ND	5 µg/kg	1,3,5-Trimethylbenzene	ND	5 µg/kg
1,2-Dichloroethane (1,2-DCA)	ND	5 µg/kg	Vinyl chloride	ND	5 µg/kg
1,1-Dichloroethene (1,1-DCE)	ND	5 µg/kg	o-Xylene	ND	5 µg/kg
cis-1,2-Dichloroethene	ND	5 µg/kg	m,p-Xylene	ND	5 µg/kg
trans-1,2-Dichloroethene	ND	5 µg/kg			
1,2-Dichloropropane	ND	5 µg/kg			
1,3-Dichloropropane	ND	5 µg/kg			
2,2-Dichloropropane	ND	10 µg/kg			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	100	74 - 121
Dibromofluoromethane	93	80 - 120
Toluene-d8	107	81 - 117

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	041700-E1-BLK
TEST:	**Semi-Volatile Organic Compounds by EPA 8270C, December 1996**		
METHOD:	EPA 8270	ANALYST:	JPR - Reno Division
MATRIX:	Solid	EXTRACTED:	4/17/00
		ANALYZED:	4/18/00

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	500 µg/kg	4,6-Dinitro-2-methyl phenol	ND	2500 µg/kg
Acenaphthylene	ND	500 µg/kg	2,4-Dinitrotoluene (DNT)	ND	500 µg/kg
Aniline	ND	1000 µg/kg	2,6-Dinitrotoluene (DNT)	ND	500 µg/kg
Anthracene	ND	500 µg/kg	2,4-Dinitrophenol	ND	2500 µg/kg
Azobenzene	ND	500 µg/kg	Di-n-octyl phthalate	ND	500 µg/kg
Benzo (a) anthracene	ND	500 µg/kg	Fluoranthene	ND	500 µg/kg
Benzo (b&k) fluoranthene	ND	500 µg/kg	Fluorene	ND	500 µg/kg
Benzoic Acid	ND	2500 µg/kg	Hexachlorobenzene	ND	500 µg/kg
Benzo (g,h,i) perylene	ND	500 µg/kg	Hexachlorobutadiene	ND	500 µg/kg
Benzo (a) pyrene	ND	500 µg/kg	Hexachlorocyclopentadiene	ND	500 µg/kg
Benzyl alcohol	ND	1000 µg/kg	Hexachloroethane	ND	500 µg/kg
bis (2-Chloroethyl) ether	ND	500 µg/kg	Indeno (1,2,3-c,d) pyrene	ND	500 µg/kg
bis (2-Chloroethoxy) methane	ND	500 µg/kg	Isophorone	ND	500 µg/kg
bis (2-chloroisopropyl) ether	ND	500 µg/kg	2-Methylnaphthalene	ND	500 µg/kg
bis (2-Ethylhexyl)phthalate	ND	500 µg/kg	2-Methylphenol	ND	500 µg/kg
Butylbenzylphthalate	ND	500 µg/kg	3,4-Methylphenol (isomeric pair)	ND	500 µg/kg
4-Bromophenyl phenyl ether	ND	500 µg/kg	Naphthalene	ND	500 µg/kg
Carbazole	ND	500 µg/kg	2-Nitroaniline	ND	2500 µg/kg
4-Chloroanaline	ND	1000 µg/kg	3-Nitroaniline	ND	2500 µg/kg
4-Chloro-3-methyl phenol	ND	1000 µg/kg	4-Nitroaniline	ND	1000 µg/kg
2-Chloronaphthalene	ND	500 µg/kg	Nitrobenzene	ND	500 µg/kg
2-Chlorophenol	ND	500 µg/kg	2-Nitrophenol	ND	500 µg/kg
4-Chlorophenyl phenyl ether	ND	500 µg/kg	4-Nitrophenol	ND	2500 µg/kg
Chrysene	ND	500 µg/kg	N-Nitrosodi-n-propylamine	ND	500 µg/kg
Dibenzo (a,h) anthracene	ND	500 µg/kg	N-Nitroso-Dimethylamine	ND	500 µg/kg
Dibenzofuran	ND	500 µg/kg	N-Nitrosodiphenylamine	ND	500 µg/kg
Di-n-butyl phthalate	ND	500 µg/kg	Pentachlorophenol	ND	2500 µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	500 µg/kg	Phenol	ND	500 µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	500 µg/kg	Phenanthrene	ND	500 µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	500 µg/kg	Pyrene	ND	500 µg/kg
2,4-Dichlorophenol	ND	500 µg/kg	Pyridine	ND	500 µg/kg
3,3'-Dichlorobenzidine	ND	1000 µg/kg	1,2,4-Trichlorobenzene	ND	500 µg/kg
Diethylphthalate	ND	500 µg/kg	2,4,5-Trichlorophenol	ND	500 µg/kg
2,4-Dimethylphenol	ND	1000 µg/kg	2,4,6-Trichlorophenol	ND	500 µg/kg
Dimethylphthalate	ND	500 µg/kg			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	52	19 - 122
2-Fluorobiphenyl	79	30 - 115
2-Fluorophenol	58	25 - 121
Nitrobenzene-d5	73	23 - 120
p-Terphenyl-d14	103	18 - 137
Phenol-d5	78	24 - 113

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0050**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-09
TEST:	**AZ METALS PKG**		
MATRIX:	Solid	ANALYST:	LEB

PARAMETER	RESULT mg/kg	REPORTING LIMIT	D. F.	METHOD	DIGESTED	ANALYZED
Aluminum	3300	25. mg/kg	250	EPA 6010	4/11/00	4/11/00
Antimony	ND	2.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Arsenic	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Barium	110	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Beryllium	0.37	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Boron	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Cadmium	ND	0.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Calcium	120000	125. mg/kg	250	EPA 6010	4/11/00	4/11/00
Chromium	7.8	0.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Cobalt	1.9	0.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Copper	1.7	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Iron	2700	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Lead	ND	2.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Magnesium	2100	25. mg/kg	50	EPA 6010	4/11/00	4/11/00
Manganese	28	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Mercury	ND	0.1 mg/kg	500	EPA 7471A	4/10/00	4/10/00
Molybdenum	ND	0.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Nickel	5.9	2. mg/kg	50	EPA 6010	4/11/00	4/11/00
Potassium	890	100. mg/kg	50	EPA 6010	4/11/00	4/11/00
Selenium	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Silver	ND	1. mg/kg	50	EPA 6010	4/11/00	4/11/00
Sodium	360	25. mg/kg	50	EPA 6010	4/11/00	4/11/00
Thallium	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Titanium	59	2.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Vanadium	10	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Zinc	7.3	5. mg/kg	50	EPA 6010	4/11/00	4/11/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	L04040-Hg-BLK

TEST: **AZ METALS PKG**

PARAMETER	RESULT mg/kg	REPORTING LIMIT	D. F.	METHOD	DIGESTED	ANALYZED
Mercury	ND	0.1 mg/kg	500	EPA 7471A	4/10/00	4/10/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **Method Blank**
DATE SAMPLED: NA
NEL SAMPLE ID: P04011i-A-BLK

TEST: **AZ METALS PKG**

PARAMETER	RESULT mg/kg	REPORTING LIMIT	D. F.	METHOD	DIGESTED	ANALYZED
Aluminum	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Antimony	ND	2.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Arsenic	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Barium	ND	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Beryllium	ND	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Boron	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Cadmium	ND	0.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Calcium	ND	25. mg/kg	50	EPA 6010	4/11/00	4/11/00
Chromium	ND	0.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Cobalt	ND	0.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Copper	ND	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Iron	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Lead	ND	2.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Magnesium	ND	25. mg/kg	50	EPA 6010	4/11/00	4/11/00
Manganese	ND	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Molybdenum	ND	0.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Nickel	ND	2. mg/kg	50	EPA 6010	4/11/00	4/11/00
Potassium	ND	100. mg/kg	50	EPA 6010	4/11/00	4/11/00
Selenium	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Silver	ND	1. mg/kg	50	EPA 6010	4/11/00	4/11/00
Sodium	ND	25. mg/kg	50	EPA 6010	4/11/00	4/11/00
Thallium	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00
Titanium	ND	2.5 mg/kg	50	EPA 6010	4/11/00	4/11/00
Vanadium	ND	0.25 mg/kg	50	EPA 6010	4/11/00	4/11/00
Zinc	ND	5. mg/kg	50	EPA 6010	4/11/00	4/11/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0042**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-01
TEST:	**Inorganic Non-Metals**		
MATRIX:	Aqueous	ANALYST:	GWD - Division

PARAMETER	RESULT		REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND		0.02	1	SW846 Chapter Seven	mg/L	4/13/00
pH	7.2	Hr	2.	1	EPA 150.1	pH Units	4/10/00
pH Temperature	21		1.	1	EPA 150.1	°C	4/10/00
Sulfide, Reactive	ND		0.03	1	SW846 Chapter Seven	mg/L	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0043**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-02
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	7.6	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0044**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-03
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	8.8	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	I	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0045**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-04
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	8.7	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0046**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-05
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	8.5	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0047**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-06
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	8.7	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0048**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-07
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	8.7	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0049**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-08
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	8.9	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0051**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-10
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	8.0	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0052**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-11
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	8.1	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0053**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-12
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	7.7	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0054**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/4/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-13
TEST:	**Inorganic Non-Metals**		
MATRIX:	Solid	ANALYST:	GWD - Division

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	SW846 Chapter Seven	mg/kg	4/13/00
pH	7.7	2.	1	EPA 9045C	ph Units	4/10/00
pH Temperature	23	0.	1	EPA 9045C	°C	4/10/00
Sulfide, Reactive	ND	0.03	1	SW846 Chapter Seven	mg/kg	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	000413CNR-BLK

TEST: **Non-Metals**

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Cyanide, Reactive	ND	0.02	1	846 Chapter Seve	mg/L	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	000413REAS-BLK

TEST: **Non-Metals**

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Sulfide, Reactive	ND	0.03	1	846 Chapter Seve	mg/L	4/13/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0044**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-03

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	1	ANALYZED:	4/12/00

PARAMETER	Result	Reporting Limit
Aroclor-1016	ND	20. µg/kg
Aroclor-1221	ND	20. µg/kg
Aroclor-1232	ND	20. µg/kg
Aroclor-1242	ND	20. µg/kg
Aroclor-1248	ND	20. µg/kg
Aroclor-1254	ND	20. µg/kg
Aroclor-1260	ND	20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	94	58 - 151 %
Tetrachloro-m-xylene	73	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0045**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-04

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	1	ANALYZED:	4/12/00

PARAMETER	Result		Reporting Limit
Aroclor-1016	ND		20. µg/kg
Aroclor-1221	ND		20. µg/kg
Aroclor-1232	ND		20. µg/kg
Aroclor-1242	ND		20. µg/kg
Aroclor-1248	ND		20. µg/kg
Aroclor-1254	26	µg/kg	20. µg/kg
Aroclor-1260	ND		20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	102	58 - 151 %
Tetrachloro-m-xylene	74	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0046**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-05

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	1	ANALYZED:	4/12/00

PARAMETER	Result		Reporting Limit
Aroclor-1016	ND		20. µg/kg
Aroclor-1221	ND		20. µg/kg
Aroclor-1232	ND		20. µg/kg
Aroclor-1242	ND		20. µg/kg
Aroclor-1248	ND		20. µg/kg
Aroclor-1254	84	µg/kg	20. µg/kg
Aroclor-1260	ND		20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	83	58 - 151 %
Tetrachloro-m-xylene	78	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0047**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-06

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	1	ANALYZED:	4/12/00

PARAMETER	Result		Reporting Limit
Aroclor-1016	ND		20. µg/kg
Aroclor-1221	ND		20. µg/kg
Aroclor-1232	ND		20. µg/kg
Aroclor-1242	ND		20. µg/kg
Aroclor-1248	ND		20. µg/kg
Aroclor-1254	68	µg/kg	20. µg/kg
Aroclor-1260	ND		20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	82	58 - 151 %
Tetrachloro-m-xylene	74	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0048**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-07

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	1	ANALYZED:	4/12/00

PARAMETER	Result		Reporting Limit
Aroclor-1016	ND		20. µg/kg
Aroclor-1221	ND		20. µg/kg
Aroclor-1232	ND		20. µg/kg
Aroclor-1242	ND		20. µg/kg
Aroclor-1248	ND		20. µg/kg
Aroclor-1254	440	µg/kg	20. µg/kg
Aroclor-1260	ND		20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	101	58 - 151 %
Tetrachloro-m-xylene	84	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0049**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-08

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	1	ANALYZED:	4/12/00

PARAMETER	Result		Reporting Limit
Aroclor-1016	ND		20. µg/kg
Aroclor-1221	ND		20. µg/kg
Aroclor-1232	ND		20. µg/kg
Aroclor-1242	ND		20. µg/kg
Aroclor-1248	ND		20. µg/kg
Aroclor-1254	220	µg/kg	20. µg/kg
Aroclor-1260	ND		20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	69	58 - 151 %
Tetrachloro-m-xylene	58	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0051**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-10

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	1	ANALYZED:	4/12/00

PARAMETER	Result		Reporting Limit
Aroclor-1016	ND		20. µg/kg
Aroclor-1221	ND		20. µg/kg
Aroclor-1232	ND		20. µg/kg
Aroclor-1242	ND		20. µg/kg
Aroclor-1248	ND		20. µg/kg
Aroclor-1254	390	µg/kg	20. µg/kg
Aroclor-1260	ND		20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	94	58 - 151 %
Tetrachloro-m-xylene	83	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0052**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-11

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	1	ANALYZED:	4/12/00

PARAMETER	Result		Reporting Limit
Aroclor-1016	ND		20. µg/kg
Aroclor-1221	ND		20. µg/kg
Aroclor-1232	ND		20. µg/kg
Aroclor-1242	ND		20. µg/kg
Aroclor-1248	ND		20. µg/kg
Aroclor-1254	330	µg/kg	20. µg/kg
Aroclor-1260	ND		20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	104	58 - 151 %
Tetrachloro-m-xylene	83	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0053**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-12

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	1	ANALYZED:	4/12/00

PARAMETER	Result		Reporting Limit
Aroclor-1016	ND		20. µg/kg
Aroclor-1221	ND		20. µg/kg
Aroclor-1232	ND		20. µg/kg
Aroclor-1242	ND		20. µg/kg
Aroclor-1248	ND		20. µg/kg
Aroclor-1254	750	µg/kg	20. µg/kg
Aroclor-1260	ND		20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	93	58 - 151 %
Tetrachloro-m-xylene	79	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0054**
PROJECT ID:	Monument Plant	DATE SAMPLED:	04/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-13

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
DILUTION:	I	ANALYZED:	4/12/00

PARAMETER	Result		Reporting Limit
Aroclor-1016	ND		20. µg/kg
Aroclor-1221	ND		20. µg/kg
Aroclor-1232	ND		20. µg/kg
Aroclor-1242	ND		20. µg/kg
Aroclor-1248	ND		20. µg/kg
Aroclor-1254	110	µg/kg	20. µg/kg
Aroclor-1260	ND		20. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	60	58 - 151 %
Tetrachloro-m-xylene	57	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	000411PCBS-BLK

TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**

METHOD:	EPA 8082	ANALYST:	JRW - Las Vegas Division
MATRIX:	Solid	EXTRACTED:	4/11/00
		ANALYZED:	4/12/00

PARAMETER	Result	Reporting Limit
Aroclor-1016	ND	20 µg/kg
Aroclor-1221	ND	20 µg/kg
Aroclor-1232	ND	20 µg/kg
Aroclor-1242	ND	20 µg/kg
Aroclor-1248	ND	20 µg/kg
Aroclor-1254	ND	20 µg/kg
Aroclor-1260	ND	20 µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Decachlorobiphenyl	86	58 - 151 %
Tetrachloro-m-xylene	84	45 - 127 %

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0042**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-01

TEST: **TCLP-8 Metals**
MATRIX: Aqueous

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	NA	4/12/00	4/12/00
Barium	ND	1. mg/L	1	EPA 6010	NA	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	NA	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	NA	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	NA	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	NA	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	NA	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	NA	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0043**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-02

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L		REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND		0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	ND		1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND		0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND		0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND		0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	JI	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND		0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND		0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0044**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-03

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	1.8	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0045**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-04

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	2.2	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0046**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-05

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	1.9	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0047**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-06

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	2.1	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0048**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P000401I-07

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	1.6	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0049**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-08

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	2.8	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0051**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-10

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	ND	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0052**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-11

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	ND	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0053**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-12

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	1.1	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

CLIENT ID: **M00-0054**
DATE SAMPLED: 4/4/00
NEL SAMPLE ID: P0004011-13

TEST: **TCLP-8 Metals**
MATRIX: Solid

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	TCLP/STLC EXTRACTION DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	ND	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	P04011-THg-BLK
TEST:	**TCLP Metals**		
MATRIX:	TCLP Extract		

PARAMETER	RESULT	REPORTING LIMIT	D. F.	TCLP/STLC EXTRACTION METHOD	DATE	DIGESTED	ANALYZED
Mercury	ND	0.002 mg/L	10	EPA 7470A	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	P04011i-T8-BLK

TEST: **TCLP Metals**
MATRIX: TCLP Extract

PARAMETER	RESULT	REPORTING LIMIT	D. F.	TCLP/STLC EXTRACTION METHOD	DATE	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Barium	ND	1. mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Cadmium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Chromium	ND	0.01 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Lead	ND	0.05 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Selenium	ND	0.1 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00
Silver	ND	0.02 mg/L	1	EPA 6010	4/11/00	4/12/00	4/12/00

D.F. - Dilution Factor

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0042**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-01

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	NA
MATRIX:	Aqueous	EXTRACTED	4/13/00
DILUTION:	1	ANALYZED:	4/13/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	100	86 - 115 %
Dibromofluoromethane	93	86 - 118 %
Toluene-d8	106	88 - 110 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0042**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-01

TEST:	**TCLP by EPA 1311, July 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**		
METHOD:	EPA 8270	TCLP EXTRACT DATE:	NA
MATRIX:	Aqueous	EXTRACTED	4/11/00
DILUTION:	1	ANALYZED:	4/11/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	70	10 - 123 %
2-Fluorobiphenyl	54	43 - 116 %
2-Fluorophenol	28	21 - 100 %
Nitrobenzene-d5	64	35 - 114 %
p-Terphenyl-d14	110	33 - 141 %
Phenol-d5	22	10 - 94 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0043**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-02

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/12/00
MATRIX:	Solid	EXTRACTED	4/17/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	100	74 - 121 %
Dibromofluoromethane	93	80 - 120 %
Toluene-d8	106	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0043**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-02

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/14/00

PARAMETER	Result mg/L		Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND		0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND		0.1 mg/L
Hexachlorobenzene	ND		0.1 mg/L
Hexachlorobutadiene	ND		0.1 mg/L
Hexachloroethane	ND	JI	0.1 mg/L
2-Methylphenol	ND		0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND		0.1 mg/L
Nitrobenzene	ND		0.1 mg/L
Pentachlorophenol	ND		0.1 mg/L
Pyridine	ND		0.1 mg/L
2,4,5-Trichlorophenol	ND		0.1 mg/L
2,4,6-Trichlorophenol	ND		0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	68	10 - 123 %
2-Fluorobiphenyl	56	43 - 116 %
2-Fluorophenol	27	21 - 100 %
Nitrobenzene-d5	66	35 - 114 %
p-Terphenyl-d14	95	33 - 141 %
Phenol-d5	22	10 - 94 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0044**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-03

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/12/00
MATRIX:	Solid	EXTRACTED	4/17/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	101	74 - 121 %
Dibromofluoromethane	94	80 - 120 %
Toluene-d8	106	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0044**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-03

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/14/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	65	10 - 123 %
2-Fluorobiphenyl	49	43 - 116 %
2-Fluorophenol	27	21 - 100 %
Nitrobenzene-d5	58	35 - 114 %
p-Terphenyl-d14	88	33 - 141 %
Phenol-d5	20	10 - 94 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0045**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-04

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/12/00
MATRIX:	Solid	EXTRACTED	4/17/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	101	74 - 121 %
Dibromofluoromethane	94	80 - 120 %
Toluene-d8	106	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0045**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-04

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/14/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	64	10 - 123 %
2-Fluorobiphenyl	50	43 - 116 %
2-Fluorophenol	26	21 - 100 %
Nitrobenzene-d5	58	35 - 114 %
p-Terphenyl-d14	97	33 - 141 %
Phenol-d5	19	10 - 94 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0046**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-05

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/13/00
MATRIX:	Solid	EXTRACTED	4/17/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	102	74 - 121 %
Dibromofluoromethane	94	80 - 120 %
Toluene-d8	106	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0046**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-05

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/14/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	61	10 - 123 %
2-Fluorobiphenyl	47	43 - 116 %
2-Fluorophenol	24	21 - 100 %
Nitrobenzene-d5	53	35 - 114 %
p-Terphenyl-d14	92	33 - 141 %
Phenol-d5	18	10 - 94 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0047**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-06

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/13/00
MATRIX:	Solid	EXTRACTED	4/17/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	102	74 - 121 %
Dibromofluoromethane	95	80 - 120 %
Toluene-d8	106	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0047**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-06

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/14/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	60	10 - 123 %
2-Fluorobiphenyl	46	43 - 116 %
2-Fluorophenol	24	21 - 100 %
Nitrobenzene-d5	54	35 - 114 %
p-Terphenyl-d14	94	33 - 141 %
Phenol-d5	18	10 - 94 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0048**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-07

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/13/00
MATRIX:	Solid	EXTRACTED	4/17/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	102	74 - 121 %
Dibromofluoromethane	95	80 - 120 %
Toluene-d8	106	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0048**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-07

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/14/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery		Acceptable Range
2,4,6-Tribromophenol	57		10 - 123 %
2-Fluorobiphenyl	41	Sf	43 - 116 %
2-Fluorophenol	22		21 - 100 %
Nitrobenzene-d5	47		35 - 114 %
p-Terphenyl-d14	88		33 - 141 %
Phenol-d5	16		10 - 94 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0049**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-08

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/17/00
MATRIX:	Solid	EXTRACTED	4/19/00
DILUTION:	1	ANALYZED:	4/19/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	101	74 - 121 %
Dibromofluoromethane	92	80 - 120 %
Toluene-d8	107	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0049**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-08

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2.4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	59	10 - 123 %
2-Fluorobiphenyl	50	43 - 116 %
2-Fluorophenol	25	21 - 100 %
Nitrobenzene-d5	56	35 - 114 %
p-Terphenyl-d14	72	33 - 141 %
Phenol-d5	17	10 - 94 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0051**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-10

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/17/00
MATRIX:	Solid	EXTRACTED	4/19/00
DILUTION:	1	ANALYZED:	4/19/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	101	74 - 121 %
Dibromofluoromethane	92	80 - 120 %
Toluene-d8	107	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0051**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-10

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	63	10 - 123 %
2-Fluorobiphenyl	50	43 - 116 %
2-Fluorophenol	24	21 - 100 %
Nitrobenzene-d5	56	35 - 114 %
p-Terphenyl-d14	71	33 - 141 %
Phenol-d5	17	10 - 94 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0052**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-11

TEST:	**TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**		
METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/17/00
MATRIX:	Solid	EXTRACTED	4/19/00
DILUTION:	1	ANALYZED:	4/19/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	102	74 - 121 %
Dibromofluoromethane	93	80 - 120 %
Toluene-d8	107	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0052**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-11

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	61	10 - 123 %
2-Fluorobiphenyl	49	43 - 116 %
2-Fluorophenol	25	21 - 100 %
Nitrobenzene-d5	54	35 - 114 %
p-Terphenyl-d14	70	33 - 141 %
Phenol-d5	17	10 - 94 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0053**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-12

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/18/00
MATRIX:	Solid	EXTRACTED	4/19/00
DILUTION:	1	ANALYZED:	4/19/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	101	74 - 121 %
Dibromofluoromethane	93	80 - 120 %
Toluene-d8	106	81 - 117 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0053**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-12

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	62	10 - 123 %
2-Fluorobiphenyl	51	43 - 116 %
2-Fluorophenol	24	21 - 100 %
Nitrobenzene-d5	54	35 - 114 %
p-Terphenyl-d14	70	33 - 141 %
Phenol-d5	17	10 - 94 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0054**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-13

TEST:	**TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**		
METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/18/00
MATRIX:	Solid	EXTRACTED	4/19/00
DILUTION:	1	ANALYZED:	4/19/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2. mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	101	74 - 121 %
Dibromofluoromethane	93	80 - 120 %
Toluene-d8	107	81 - 117 %

ND - Not Detected

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**M00-0054**
PROJECT ID:	Monument Plant	DATE SAMPLED:	4/04/00
PROJECT #:	NA	NEL SAMPLE ID:	P0004011-13

TEST:	**TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**		
METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	Solid	EXTRACTED	4/14/00
DILUTION:	1	ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	66	10 - 123 %
2-Fluorobiphenyl	53	43 - 116 %
2-Fluorophenol	26	21 - 100 %
Nitrobenzene-d5	60	35 - 114 %
p-Terphenyl-d14	76	33 - 141 %
Phenol-d5	18	10 - 94 %

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	000413TCLPQAQ-BLK

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	NA
MATRIX:	TCLP Extract	EXTRACTED	4/13/00
		ANALYZED:	4/13/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2 mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	99	86 - 115
Dibromofluoromethane	93	86 - 118
Toluene-d8	106	88 - 110

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	000417TCLPX12-BLK

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/12/00
MATRIX:	TCLP Extract	EXTRACTED	4/17/00
		ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2 mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	99	74 - 121
Dibromofluoromethane	93	80 - 120
Toluene-d8	105	81 - 117

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	000417TCLPX13-BLK

TEST:	**TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**		
METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/13/00
MATRIX:	TCLP Extract	EXTRACTED	4/17/00
		ANALYZED:	4/17/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2 mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	102	74 - 121
Dibromofluoromethane	94	80 - 120
Toluene-d8	107	81 - 117

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	000419TCLPX17-BLK

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/17/00
MATRIX:	TCLP Extract	EXTRACTED	4/19/00
		ANALYZED:	4/19/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2 mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	100	74 - 121
Dibromofluoromethane	91	80 - 120
Toluene-d8	107	81 - 117

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	000419TCLPX18-BLK

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**

METHOD:	EPA 8260	TCLP EXTRACT DATE:	4/18/00
MATRIX:	TCLP Extract	EXTRACTED	4/19/00
		ANALYZED:	4/19/00

PARAMETER	Result mg/L	Reporting Limit
Benzene	ND	0.1 mg/L
Carbon tetrachloride	ND	0.1 mg/L
Chlorobenzene	ND	0.1 mg/L
Chloroform	ND	0.1 mg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.1 mg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.1 mg/L
Methyl Ethyl Ketone	ND	2 mg/L
Tetrachloroethene (PCE)	ND	0.1 mg/L
Trichloroethene (TCE)	ND	0.1 mg/L
Vinyl chloride	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	99	74 - 121
Dibromofluoromethane	91	80 - 120
Toluene-d8	107	81 - 117

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	0411E2-BLK

TEST: **TCLP by EPA 1311, July 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	NA
MATRIX:	TCLP Extract	EXTRACTED	4/11/00
		ANALYZED:	4/11/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	56	10 - 123
2-Fluorobiphenyl	52	43 - 116
2-Fluorophenol	36	21 - 100
Nitrobenzene-d5	63	35 - 114
p-Terphenyl-d14	119	33 - 141
Phenol-d5	22	10 - 94

ND - Not Detected

NEL LABORATORIES

CLIENT:	El Paso Natural Gas Co.	CLIENT ID:	**Method Blank**
PROJECT ID:	Monument Plant	DATE SAMPLED:	NA
PROJECT #:	NA	NEL SAMPLE ID:	041400-E1-BLK

TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**

METHOD:	EPA 8270	TCLP EXTRACT DATE:	4/11/00
MATRIX:	TCLP Extract	EXTRACTED	4/14/00
		ANALYZED:	4/14/00

PARAMETER	Result mg/L	Reporting Limit
1,4-Dichlorobenzene (p-DCB)	ND	0.1 mg/L
2,4-Dinitrotoluene (DNT)	ND	0.1 mg/L
Hexachlorobenzene	ND	0.1 mg/L
Hexachlorobutadiene	ND	0.1 mg/L
Hexachloroethane	ND	0.1 mg/L
2-Methylphenol	ND	0.1 mg/L
3,4-Methylphenol (isomeric pair)	ND	0.1 mg/L
Nitrobenzene	ND	0.1 mg/L
Pentachlorophenol	ND	0.1 mg/L
Pyridine	ND	0.1 mg/L
2,4,5-Trichlorophenol	ND	0.1 mg/L
2,4,6-Trichlorophenol	ND	0.1 mg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	62	10 - 123
2-Fluorobiphenyl	52	43 - 116
2-Fluorophenol	30	21 - 100
Nitrobenzene-d5	64	35 - 114
p-Terphenyl-d14	101	33 - 141
Phenol-d5	21	10 - 94

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **Volatile Organic Compounds by EPA 8260B, December 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Benzene	000410SD60_1A-LCS	50	50	100	70 - 130	
Benzene	P0004011-09-MS	50	50	100	70 - 130	
Benzene	P0004011-09-MSD	50	49	98	70 - 130	2.
Chlorobenzene	000410SD60_1A-LCS	50	48	96	70 - 130	
Chlorobenzene	P0004011-09-MS	50	47	94	70 - 130	
Chlorobenzene	P0004011-09-MSD	50	47	94	70 - 130	0.
1,1-Dichloroethene (1,1-DCE)	000410SD60_1A-LCS	50	49	98	70 - 130	
1,1-Dichloroethene (1,1-DCE)	P0004011-09-MS	50	48	96	70 - 130	
1,1-Dichloroethene (1,1-DCE)	P0004011-09-MSD	50	47	94	70 - 130	2.1
Toluene	000410SD60_1A-LCS	50	53	106	70 - 130	
Toluene	P0004011-09-MS	50	52	104	70 - 130	
Toluene	P0004011-09-MSD	50	51	102	70 - 130	1.9
Trichloroethene (TCE)	000410SD60_1A-LCS	50	46	92	70 - 130	
Trichloroethene (TCE)	P0004011-09-MS	50	46	92	70 - 130	
Trichloroethene (TCE)	P0004011-09-MSD	50	46	92	70 - 130	0.

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **PCB's (Polychlorinated Biphenyls) by EPA 8082, December, 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Aroclor-1016	000411PCBS-LCS	333	333	100	55 - 142	
Aroclor-1016	000411PCBS-LCSD	333	360	108	55 - 142	7.8
Aroclor-1260	000411PCBS-LCS	333	271	81	48 - 129	
Aroclor-1260	000411PCBS-LCSD	333	318	95	48 - 129	16.

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**
MATRIX: Aqueous

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
1,1-Dichloroethene (1,1-DCE)	000413TCLPQAQ-LCS	50	48	96	70 - 130	
1,1-Dichloroethene (1,1-DCE)	L0004101-04-MS	0.05	0.053	106	61 - 145	
1,1-Dichloroethene (1,1-DCE)	L0004101-04-MSD	0.05	0.056	112	61 - 145	5.5
Benzene	000413TCLPQAQ-LCS	50	47	94	70 - 130	
Benzene	L0004101-04-MS	0.05	0.056	112	76 - 127	
Benzene	L0004101-04-MSD	0.05	0.061	122	76 - 127	8.5
Chlorobenzene	000413TCLPQAQ-LCS	50	43	86	70 - 130	
Chlorobenzene	L0004101-04-MS	0.05	0.05	100	75 - 130	
Chlorobenzene	L0004101-04-MSD	0.05	0.052	104	75 - 130	3.9
Trichloroethene (TCE)	000413TCLPQAQ-LCS	50	42	84	70 - 130	
Trichloroethene (TCE)	L0004101-04-MS	0.05	0.049	98	71 - 120	
Trichloroethene (TCE)	L0004101-04-MSD	0.05	0.051	102	71 - 120	4.

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
1,1-Dichloroethene (1,1-DCE)	000417TCLPX12-LCS	50	45	90	70 - 130	
1,1-Dichloroethene (1,1-DCE)	P0004011-04-MS	0.05	0.043	86	61 - 145	
1,1-Dichloroethene (1,1-DCE)	P0004011-04-MSD	0.05	0.045	90	61 - 145	4.5
Benzene	000417TCLPX12-LCS	50	46	92	70 - 130	
Benzene	P0004011-04-MS	0.05	0.047	94	76 - 127	
Benzene	P0004011-04-MSD	0.05	0.047	94	76 - 127	0.
Chlorobenzene	000417TCLPX12-LCS	50	44	88	70 - 130	
Chlorobenzene	P0004011-04-MS	0.05	0.043	86	75 - 130	
Chlorobenzene	P0004011-04-MSD	0.05	0.045	90	75 - 130	4.5
Trichloroethene (TCE)	000417TCLPX12-LCS	50	42	84	70 - 130	
Trichloroethene (TCE)	P0004011-04-MS	0.05	0.042	84	71 - 120	
Trichloroethene (TCE)	P0004011-04-MSD	0.05	0.043	86	71 - 120	2.4

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **TCLP by EPA 1311, July 1992 & Volatile Organics by EPA 8260B, Dec. 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
1,1-Dichloroethene (1,1-DCE)	000419TCLPX18-LCS	50	43	86	70 - 130	
1,1-Dichloroethene (1,1-DCE)	P0004011-13-MS	0.05	0.059	118	61 - 145	
1,1-Dichloroethene (1,1-DCE)	P0004011-13-MSD	0.05	0.057	114	61 - 145	3.4
Benzene	000419TCLPX18-LCS	50	45	90	70 - 130	
Benzene	P0004011-13-MS	0.05	0.061	122	76 - 127	
Benzene	P0004011-13-MSD	0.05	0.059	118	76 - 127	3.3
Chlorobenzene	000419TCLPX18-LCS	50	42	84	70 - 130	
Chlorobenzene	P0004011-13-MS	0.05	0.056	112	75 - 130	
Chlorobenzene	P0004011-13-MSD	0.05	0.056	112	75 - 130	0.
Trichloroethene (TCE)	000419TCLPX18-LCS	50	41	82	70 - 130	
Trichloroethene (TCE)	P0004011-13-MS	0.05	0.055	110	71 - 120	
Trichloroethene (TCE)	P0004011-13-MSD	0.05	0.054	108	71 - 120	1.8

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**
MATRIX: Organic Liquid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Pyridine	0411E2-LCS	80	31.5	39	10 - 130	
Pyridine	0411E2-LCSD	80	34.3	43	10 - 130	8.5
1,4-Dichlorobenzene (p-DCB)	0411E2-LCS	80	44.4	55	48 - 101	
1,4-Dichlorobenzene (p-DCB)	0411E2-LCSD	80	45.7	57	48 - 101	2.9
Hexachloroethane	0411E2-LCS	80	44.7	56	43 - 104	
Hexachloroethane	0411E2-LCSD	80	46	57	43 - 104	2.9
Nitrobenzene	0411E2-LCS	80	62.1	78	28 - 124	
Nitrobenzene	0411E2-LCSD	80	63.6	80	28 - 124	2.4
Hexachlorobutadiene	0411E2-LCS	80	42.2	53	39 - 111	
Hexachlorobutadiene	0411E2-LCSD	80	44.7	56	39 - 111	5.8
2-Methylphenol	0411E2-LCS	80	52.7	66	30 - 130	
2-Methylphenol	0411E2-LCSD	80	53.6	67	30 - 130	1.7
3,4-Methylphenol (isomeric pair)	0411E2-LCS	80	47.2	59	30 - 130	
3,4-Methylphenol (isomeric pair)	0411E2-LCSD	80	46.7	58	30 - 130	1.1
2,4,6-Trichlorophenol	0411E2-LCS	80	61.8	77	43 - 110	
2,4,6-Trichlorophenol	0411E2-LCSD	80	63.6	80	43 - 110	2.9
2,4,5-Trichlorophenol	0411E2-LCS	80	63.3	79	30 - 130	
2,4,5-Trichlorophenol	0411E2-LCSD	80	65.7	82	30 - 130	3.7
2,4-Dinitrotoluene (DNT)	0411E2-LCS	80	66.2	83	50 - 111	
2,4-Dinitrotoluene (DNT)	0411E2-LCSD	80	68.6	86	50 - 111	3.6
Hexachlorobenzene	0411E2-LCS	80	67.1	84	41 - 125	
Hexachlorobenzene	0411E2-LCSD	80	67.4	84	41 - 125	0.4
Pentachlorophenol	0411E2-LCS	80	70.2	88	47 - 127	
Pentachlorophenol	0411E2-LCSD	80	72.1	90	47 - 127	2.7

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery		Acceptable Range	RPD
Pyridine	041400-E1-LCS	80	20.4	26		10 - 130	
Pyridine	041400-E1-LCSD	80	19.2	24		10 - 130	6.1
Pyridine	P0004011-02-MS	80	26.5	33		10 - 130	
Pyridine	P0004011-02-MSD	80	25.2	32		10 - 130	5.
1,4-Dichlorobenzene (p-DCB)	041400-E1-LCS	80	37	46		7 - 105	
1,4-Dichlorobenzene (p-DCB)	041400-E1-LCSD	80	36.7	46		7 - 105	0.8
1,4-Dichlorobenzene (p-DCB)	P0004011-02-MS	80	37	46		7 - 105	
1,4-Dichlorobenzene (p-DCB)	P0004011-02-MSD	80	30	38		7 - 105	20.9
Hexachloroethane	041400-E1-LCS	80	43	54		43 - 104	
Hexachloroethane	041400-E1-LCSD	80	38.9	49		43 - 104	10.
Hexachloroethane	P0004011-02-MS	80	43	54		43 - 104	
Hexachloroethane	P0004011-02-MSD	80	33.7	42	J1	43 - 104	24.3
Nitrobenzene	041400-E1-LCS	80	59.1	74		28 - 124	
Nitrobenzene	041400-E1-LCSD	80	61.1	76		28 - 124	3.3
Nitrobenzene	P0004011-02-MS	80	60.4	76		28 - 124	
Nitrobenzene	P0004011-02-MSD	80	47	59		28 - 124	25.
Hexachlorobutadiene	041400-E1-LCS	80	39.6	50		39 - 111	
Hexachlorobutadiene	041400-E1-LCSD	80	36.8	46		39 - 111	7.3
Hexachlorobutadiene	P0004011-02-MS	80	42.1	53		39 - 111	
Hexachlorobutadiene	P0004011-02-MSD	80	33.9	42		39 - 111	21.6
2-Methylphenol	041400-E1-LCS	80	42.3	53		30 - 130	
2-Methylphenol	041400-E1-LCSD	80	45.8	57		30 - 130	7.9
2-Methylphenol	P0004011-02-MS	80	45	56		30 - 130	
2-Methylphenol	P0004011-02-MSD	80	38.4	48		30 - 130	15.8
3,4-Methylphenol (isomeric pair)	041400-E1-LCS	80	39.2	49		30 - 130	
3,4-Methylphenol (isomeric pair)	041400-E1-LCSD	80	41.7	52		30 - 130	6.2
3,4-Methylphenol (isomeric pair)	P0004011-02-MS	80	41.3	52		30 - 130	
3,4-Methylphenol (isomeric pair)	P0004011-02-MSD	80	35.8	45		30 - 130	14.3
2,4,6-Trichlorophenol	041400-E1-LCS	80	58.8	74		43 - 110	
2,4,6-Trichlorophenol	041400-E1-LCSD	80	59.8	75		43 - 110	1.7
2,4,6-Trichlorophenol	P0004011-02-MS	80	59.6	75		43 - 110	
2,4,6-Trichlorophenol	P0004011-02-MSD	80	54.6	68		43 - 110	8.8
2,4,5-Trichlorophenol	041400-E1-LCS	80	61.5	77		30 - 130	
2,4,5-Trichlorophenol	041400-E1-LCSD	80	61.7	77		30 - 130	0.3
2,4,5-Trichlorophenol	P0004011-02-MS	80	61.2	77		30 - 130	
2,4,5-Trichlorophenol	P0004011-02-MSD	80	57.5	72		30 - 130	6.2
2,4-Dinitrotoluene (DNT)	041400-E1-LCS	80	57.2	72		50 - 111	
2,4-Dinitrotoluene (DNT)	041400-E1-LCSD	80	57.1	71		50 - 111	0.2

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **TCLP by EPA 1311, September 1992 & Semivolatile Organics by EPA Method 8270C, December 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
2,4-Dinitrotoluene (DNT)	P0004011-02-MS	80	56.6	71	50 - 111	
2,4-Dinitrotoluene (DNT)	P0004011-02-MSD	80	54.5	68	50 - 111	3.8
Hexachlorobenzene	041400-E1-LCS	80	60.1	75	41 - 125	
Hexachlorobenzene	041400-E1-LCSD	80	59.2	74	41 - 125	1.5
Hexachlorobenzene	P0004011-02-MS	80	57.6	72	41 - 125	
Hexachlorobenzene	P0004011-02-MSD	80	55.2	69	41 - 125	4.3
Pentachlorophenol	041400-E1-LCS	80	70.1	88	47 - 127	
Pentachlorophenol	041400-E1-LCSD	80	68	85	47 - 127	3.
Pentachlorophenol	P0004011-02-MS	80	68.6	86	47 - 127	
Pentachlorophenol	P0004011-02-MSD	80	65.8	82	47 - 127	4.2

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **Semi-Volatile Organic Compounds by EPA 8270C, December 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery		Acceptable Range	RPD
Pyridine	041700-E1-LCS	80	61.4	77		30 - 120	
Pyridine	P0004011-09-MS	80	60.2	75		30 - 120	
N-Nitroso-Dimethylamine	041700-E1-LCS	80	75.3	94		31 - 122	
N-Nitroso-Dimethylamine	P0004011-09-MS	80	76.7	96		30 - 120	
Aniline	041700-E1-LCS	80	25	31		30 - 120	
Aniline	P0004011-09-MS	80	27.2	34		30 - 120	
bis (2-Chloroethyl) ether	041700-E1-LCS	80	82.2	103		30 - 120	
bis (2-Chloroethyl) ether	P0004011-09-MS	80	83	104		30 - 120	
Phenol	041700-E1-LCS	80	71.5	89		52 - 113	
Phenol	P0004011-09-MS	80	74.2	93	J1	26 - 90	
2-Chlorophenol	041700-E1-LCS	80	72.1	90		25 - 102	
2-Chlorophenol	P0004011-09-MS	80	73.9	92		25 - 102	
1,3-Dichlorobenzene (m-DCB)	041700-E1-LCS	80	66	83		40 - 120	
1,3-Dichlorobenzene (m-DCB)	P0004011-09-MS	80	65.8	82		40 - 120	
1,4-Dichlorobenzene (p-DCB)	041700-E1-LCS	80	69.7	87		28 - 104	
1,4-Dichlorobenzene (p-DCB)	P0004011-09-MS	80	68.7	86		28 - 104	
1,2-Dichlorobenzene (o-DCB)	041700-E1-LCS	80	65.8	82		40 - 120	
1,2-Dichlorobenzene (o-DCB)	P0004011-09-MS	80	69	86		40 - 120	
Benzyl alcohol	041700-E1-LCS	80	74.8	94		50 - 120	
Benzyl alcohol	P0004011-09-MS	80	100	125	J1	50 - 120	
N-Nitrosodi-n-propylamine	041700-E1-LCS	80	75.1	94		41 - 126	
N-Nitrosodi-n-propylamine	P0004011-09-MS	80	74	93		41 - 126	
Hexachloroethane	041700-E1-LCS	80	69.4	87		30 - 120	
Hexachloroethane	P0004011-09-MS	80	69.7	87		30 - 120	
Nitrobenzene	041700-E1-LCS	80	69.7	87		50 - 120	
Nitrobenzene	P0004011-09-MS	80	68.9	86		50 - 120	
Isophorone	041700-E1-LCS	80	66.6	83		50 - 120	
Isophorone	P0004011-09-MS	80	67.5	84		50 - 120	
Naphthalene	041700-E1-LCS	80	73.9	92		50 - 120	
Naphthalene	P0004011-09-MS	80	69.7	87		50 - 120	
2-Nitrophenol	041700-E1-LCS	80	80.7	101		50 - 120	
2-Nitrophenol	P0004011-09-MS	80	80.9	101		50 - 120	
2,4-Dimethylphenol	041700-E1-LCS	80	59.9	75		50 - 120	
2,4-Dimethylphenol	P0004011-09-MS	80	93.6	117		50 - 120	
bis (2-Chloroethoxy) methane	041700-E1-LCS	80	73.8	92		50 - 120	
bis (2-Chloroethoxy) methane	P0004011-09-MS	80	71.9	90		50 - 120	
2,4-Dichlorophenol	041700-E1-LCS	80	72.7	91		50 - 120	
2,4-Dichlorophenol	P0004011-09-MS	80	76.6	96		50 - 120	

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA

TEST: **Semi-Volatile Organic Compounds by EPA 8270C, December 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery		Acceptable Range	RPD
1,2,4-Trichlorobenzene	041700-E1-LCS	80	68.5	86		38 - 107	
1,2,4-Trichlorobenzene	P0004011-09-MS	80	68.9	86		38 - 107	
4-Chloroanaline	041700-E1-LCS	80	18.3	23		1 - 68	
4-Chloroanaline	P0004011-09-MS	80	27.2	34		20 - 120	
Hexachlorobutadiene	041700-E1-LCS	80	69	86		30 - 120	
Hexachlorobutadiene	P0004011-09-MS	80	72.3	90		30 - 120	
Benzoic Acid	041700-E1-LCS	80	68.9	86		50 - 120	
Benzoic Acid	P0004011-09-MS	80	0	0	J1	50 - 120	
2-Methylnaphthalene	041700-E1-LCS	80	68.9	86		50 - 120	
2-Methylnaphthalene	P0004011-09-MS	80	69.8	87		50 - 120	
Hexachlorocyclopentadiene	041700-E1-LCS	80	71.1	89		20 - 120	
Hexachlorocyclopentadiene	P0004011-09-MS	80	28.6	36		20 - 120	
2-Methylphenol	041700-E1-LCS	80	80.7	101		50 - 120	
2-Methylphenol	P0004011-09-MS	80	88.3	110		50 - 120	
4-Methylphenol	041700-E1-LCS	80	73.6	92		50 - 120	
2,4,6-Trichlorophenol	041700-E1-LCS	80	74.7	93		50 - 120	
2,4,6-Trichlorophenol	P0004011-09-MS	80	75.7	95		50 - 120	
2,4,5-Trichlorophenol	041700-E1-LCS	80	80.6	101		50 - 120	
2,4,5-Trichlorophenol	P0004011-09-MS	80	85	106		50 - 120	
2-Chloronaphthalene	041700-E1-LCS	80	70.3	88		50 - 120	
2-Chloronaphthalene	P0004011-09-MS	80	70.4	88		50 - 120	
2-Nitroaniline	041700-E1-LCS	80	75.5	94		30 - 120	
2-Nitroaniline	P0004011-09-MS	80	78	98		30 - 120	
Acenaphthene	041700-E1-LCS	80	73	91		31 - 137	
Acenaphthene	P0004011-09-MS	80	72.8	91		31 - 137	
3-Nitroaniline	041700-E1-LCS	80	40.8	51		30 - 120	
3-Nitroaniline	P0004011-09-MS	80	59.1	74		30 - 120	
Azobenzene	041700-E1-LCS	80	80.4	101		50 - 120	
Azobenzene	P0004011-09-MS	80	80.7	101		50 - 120	
4-Nitroaniline	041700-E1-LCS	80	74.3	93		30 - 120	
4-Nitroaniline	P0004011-09-MS	80	78.5	98		30 - 120	
Dimethylphthalate	041700-E1-LCS	80	77.1	96		50 - 120	
Dimethylphthalate	P0004011-09-MS	80	77.4	97		50 - 120	
Acenaphthylene	041700-E1-LCS	80	73	91		50 - 120	
Acenaphthylene	P0004011-09-MS	80	75.3	94		50 - 120	
2,6-Dinitrotoluene (DNT)	041700-E1-LCS	80	75.4	94		50 - 120	
2,6-Dinitrotoluene (DNT)	P0004011-09-MS	80	52.7	66		50 - 120	
2,4-Dinitrotoluene (DNT)	041700-E1-LCS	80	77.3	97		63 - 111	

ND - Not Detected

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **Semi-Volatile Organic Compounds by EPA 8270C, December 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
2,4-Dinitrotoluene (DNT)	P0004011-09-MS	80	77.4	97	12 - 137	
2,4-Dinitrophenol	041700-E1-LCS	80	52.1	65	20 - 120	
2,4-Dinitrophenol	P0004011-09-MS	80	52.7	66	20 - 120	
Fluorene	041700-E1-LCS	80	74	93	50 - 120	
Fluorene	P0004011-09-MS	80	75.2	94	50 - 120	
Dibenzofuran	041700-E1-LCS	80	72.7	91	50 - 120	
Dibenzofuran	P0004011-09-MS	80	74.6	93	50 - 120	
4-Nitrophenol	041700-E1-LCS	80	74.7	93	22 - 151	
4-Nitrophenol	P0004011-09-MS	80	81.7	102	11 - 114	
Diethylphthalate	041700-E1-LCS	80	79.2	99	50 - 120	
Diethylphthalate	P0004011-09-MS	80	80.6	101	50 - 120	
4-Chlorophenyl phenyl ether	041700-E1-LCS	80	82.1	103	50 - 120	
4-Chlorophenyl phenyl ether	P0004011-09-MS	80	83.1	104	50 - 120	
N-Nitrosodiphenylamine	041700-E1-LCS	80	94.8	119	50 - 120	
N-Nitrosodiphenylamine	P0004011-09-MS	80	96.2	120	50 - 120	
4,6-Dinitro-2-methyl phenol	041700-E1-LCS	80	57.1	71	20 - 120	
4,6-Dinitro-2-methyl phenol	P0004011-09-MS	80	61.8	77	20 - 120	
4-Bromophenyl phenyl ether	041700-E1-LCS	80	84.8	106	50 - 120	
4-Bromophenyl phenyl ether	P0004011-09-MS	80	85.7	107	50 - 120	
Hexachlorobenzene	041700-E1-LCS	80	74.7	93	50 - 120	
Hexachlorobenzene	P0004011-09-MS	80	75.1	94	50 - 120	
Carbazole	041700-E1-LCS	160	103	64	50 - 120	
Carbazole	P0004011-09-MS	160	104	65	50 - 120	
Di-n-butyl phthalate	041700-E1-LCS	80	80.6	101	50 - 120	
Di-n-butyl phthalate	P0004011-09-MS	80	83.8	105	50 - 120	
Pentachlorophenol	041700-E1-LCS	80	72	90	17 - 109	
Pentachlorophenol	P0004011-09-MS	80	85.7	107	17 - 109	
Phenanthrene	041700-E1-LCS	80	75.9	95	50 - 120	
Phenanthrene	P0004011-09-MS	80	80.4	101	50 - 120	
Anthracene	041700-E1-LCS	80	78.9	99	50 - 120	
Anthracene	P0004011-09-MS	80	81.1	101	50 - 120	
Fluoranthene	041700-E1-LCS	80	76.2	95	50 - 120	
Fluoranthene	P0004011-09-MS	80	78.3	98	50 - 120	
Pyrene	041700-E1-LCS	80	72.1	90	50 - 120	
Pyrene	P0004011-09-MS	80	75.9	95	50 - 120	
Butylbenzylphthalate	041700-E1-LCS	80	84	105	50 - 120	
Butylbenzylphthalate	P0004011-09-MS	80	86.4	108	50 - 120	
Benzo (a) anthracene	041700-E1-LCS	80	74.7	93	50 - 120	

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **Semi-Volatile Organic Compounds by EPA 8270C, December 1996**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Benzo (a) anthracene	P0004011-09-MS	80	76	95	50 - 120	
Chrysene	041700-E1-LCS	80	75.9	95	50 - 120	
Chrysene	P0004011-09-MS	80	78.8	99	50 - 120	
3,3'-Dichlorobenzidine	041700-E1-LCS	80	46.9	59	50 - 120	
3,3'-Dichlorobenzidine	P0004011-09-MS	80	49.6	62	50 - 120	
bis (2-Ethylhexyl)phthalate	041700-E1-LCS	80	81.3	102	50 - 120	
bis (2-Ethylhexyl)phthalate	P0004011-09-MS	80	83	104	50 - 120	
Di-n-octyl phthalate	041700-E1-LCS	80	78.4	98	50 - 120	
Di-n-octyl phthalate	P0004011-09-MS	80	77.1	96	50 - 120	
Benzo (b&k) fluoranthene	041700-E1-LCS	160	166	104	50 - 120	
Benzo (b&k) fluoranthene	P0004011-09-MS	160	173	108	50 - 120	
Benzo (a) pyrene	041700-E1-LCS	80	87.6	110	50 - 130	
Benzo (a) pyrene	P0004011-09-MS	80	90.9	114	50 - 130	
Indeno (1,2,3-c,d) pyrene	041700-E1-LCS	80	81.4	102	50 - 120	
Indeno (1,2,3-c,d) pyrene	P0004011-09-MS	80	83.2	104	50 - 120	
Dibenzo (a,h) anthracene	041700-E1-LCS	80	85.1	106	50 - 120	
Dibenzo (a,h) anthracene	P0004011-09-MS	80	86.4	108	50 - 120	
Benzo (g,h,i) perylene	041700-E1-LCS	80	80.1	100	50 - 120	
Benzo (g,h,i) perylene	P0004011-09-MS	80	81.7	102	50 - 120	

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **Metals**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Mercury	L04040-Hg-LCS	0.005	0.00543	109	85 - 115	
Mercury	L0004040-01-MS	2.5	2.42	97	80 - 120	
Mercury	L0004040-01-MSD	2.5	2.43	97	80 - 120	0.4

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **TCLP/STLC Metals**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery		Acceptable Range	RPD
Mercury	P04011-THg-LCS	0.005	0.00493	99		85 - 115	
Mercury	P0004011-02-MS	0.05	0.0542	108		85 - 115	
Mercury	P0004011-02-MSD	0.05	0.0582	116	J1	85 - 115	7.1

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **Metals**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery		Acceptable Range	RPD
Aluminum	P04011i-A-LCS	15333	15000	98		85 - 115	
Aluminum	P0004011-09-MS	250	3430	52	C	75 - 125	
Aluminum	P0004011-09-MSD	250	3410	44	C	75 - 125	16.7
Antimony	P04011i-A-LCS	50	46.1	92		85 - 115	
Antimony	P0004011-09-MS	50	42.8	86		75 - 125	
Antimony	P0004011-09-MSD	50	42.8	86		75 - 125	0.
Arsenic	P04011i-A-LCS	25	22.4	90		85 - 115	
Arsenic	P0004011-09-MS	25	26.2	105		75 - 125	
Arsenic	P0004011-09-MSD	25	27.7	111		75 - 125	5.6
Barium	P04011i-A-LCS	853	907	106		85 - 115	
Barium	P0004011-09-MS	50	166	112		75 - 125	
Barium	P0004011-09-MSD	50	162	104		75 - 125	7.4
Beryllium	P04011i-A-LCS	5	4.71	94		85 - 115	
Beryllium	P0004011-09-MS	5	5.13	95		75 - 125	
Beryllium	P0004011-09-MSD	5	5.21	97		75 - 125	1.7
Boron	P04011i-A-LCS	50	55.3	111		85 - 115	
Boron	P0004011-09-MS	50	52.1	104		75 - 125	
Boron	P0004011-09-MSD	50	53.6	107		75 - 125	2.8
Cadmium	P04011i-A-LCS	13.7	14.2	104		85 - 115	
Cadmium	P0004011-09-MS	10	10	100		75 - 125	
Cadmium	P0004011-09-MSD	10	10.2	102		75 - 125	2.
Calcium	P04011i-A-LCS	1000	901	90		85 - 115	
Calcium	P0004011-09-MS	5000	123000	60	C	75 - 125	
Calcium	P0004011-09-MSD	5000	122000	40	C	75 - 125	40.
Chromium	P04011i-A-LCS	41.3	41	99		85 - 115	
Chromium	P0004011-09-MS	25	30.5	91		75 - 125	
Chromium	P0004011-09-MSD	25	30.1	89		75 - 125	1.8
Cobalt	P04011i-A-LCS	6.18	7.03	114		85 - 115	
Cobalt	P0004011-09-MS	25	25.2	93		75 - 125	
Cobalt	P0004011-09-MSD	25	25.2	93		75 - 125	0.
Copper	P04011i-A-LCS	465	489	105		85 - 115	
Copper	P0004011-09-MS	25	28.8	108		75 - 125	
Copper	P0004011-09-MSD	25	28.8	108		75 - 125	0.
Iron	P04011i-A-LCS	12700	11600	91		85 - 115	
Iron	P0004011-09-MS	250	2890	76		75 - 125	
Iron	P0004011-09-MSD	250	2870	68	C	75 - 125	11.1
Lead	P04011i-A-LCS	50	42.6	85		85 - 115	
Lead	P0004011-09-MS	50	46.6	93		75 - 125	

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **Metals**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery		Acceptable Range	RPD
Lead	P0004011-09-MSD	50	46.6	93		75 - 125	0.
Magnesium	P04011i-A-LCS	6710	6250	93		85 - 115	
Magnesium	P0004011-09-MS	1000	3110	101		75 - 125	
Magnesium	P0004011-09-MSD	1000	3200	110		75 - 125	8.5
Manganese	P04011i-A-LCS	25	24.4	98		85 - 115	
Manganese	P0004011-09-MS	25	51.4	94		75 - 125	
Manganese	P0004011-09-MSD	25	51.2	93		75 - 125	0.9
Molybdenum	P04011i-A-LCS	14.2	13.9	98		85 - 115	
Molybdenum	P0004011-09-MS	5	5.06	101		75 - 125	
Molybdenum	P0004011-09-MSD	5	4.85	97		75 - 125	4.2
Nickel	P04011i-A-LCS	26	25.8	99		85 - 115	
Nickel	P0004011-09-MS	50	51.6	91		75 - 125	
Nickel	P0004011-09-MSD	50	51.9	92		75 - 125	0.7
Potassium	P04011i-A-LCS	6230	5940	95		85 - 115	
Potassium	P0004011-09-MS	1000	2000	111		75 - 125	
Potassium	P0004011-09-MSD	1000	1970	108		75 - 125	2.7
Selenium	P04011i-A-LCS	25	22.8	91		85 - 115	
Selenium	P0004011-09-MS	25	26.2	105		75 - 125	
Selenium	P0004011-09-MSD	25	25.7	103		75 - 125	1.9
Silver	P04011i-A-LCS	25	28.3	113		85 - 115	
Silver	P0004011-09-MS	25	27.1	108		75 - 125	
Silver	P0004011-09-MSD	25	27.6	110		75 - 125	1.8
Sodium	P04011i-A-LCS	2490	2750	110		85 - 115	
Sodium	P0004011-09-MS	1000	1480	112		75 - 125	
Sodium	P0004011-09-MSD	1000	1480	112		75 - 125	0.
Thallium	P04011i-A-LCS	100	106	106		85 - 115	
Thallium	P0004011-09-MS	100	120	120		75 - 125	
Thallium	P0004011-09-MSD	100	113	113		75 - 125	6.
Titanium	P04011i-A-LCS	5	5.51	110		85 - 115	
Titanium	P0004011-09-MS	5	62.3	66	C	75 - 125	
Titanium	P0004011-09-MSD	5	61.3	46	C	75 - 125	35.7
Vanadium	P04011i-A-LCS	109	107	98		85 - 115	
Vanadium	P0004011-09-MS	25	34.2	97		75 - 125	
Vanadium	P0004011-09-MSD	25	34.3	97		75 - 125	0.4
Zinc	P04011i-A-LCS	625	610	98		85 - 115	
Zinc	P0004011-09-MS	25	31.9	98		75 - 125	
Zinc	P0004011-09-MSD	25	32.3	100		75 - 125	1.6

ND - Not Detected

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID: Monument Plant
PROJECT #: NA
TEST: **TCLP/STLC Metals**
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Arsenic	P04011i-T8-LCS	0.5	0.506	101	85 - 115	
Arsenic	P0004011-02-MS	0.5	0.511	102	75 - 125	
Arsenic	P0004011-02-MSD	0.5	0.512	102	75 - 125	0.2
Silver	P04011i-T8-LCS	0.5	0.489	98	85 - 115	
Silver	P0004011-02-MS	0.5	0.494	99	75 - 125	
Silver	P0004011-02-MSD	0.5	0.455	91	75 - 125	8.2
Barium	P04011i-T8-LCS	1	1	100	85 - 115	
Barium	P0004011-02-MS	1	1	100	75 - 125	
Barium	P0004011-02-MSD	1	1.06	106	75 - 125	5.8
Cadmium	P04011i-T8-LCS	0.2	0.189	95	85 - 115	
Cadmium	P0004011-02-MS	0.2	0.194	97	75 - 125	
Cadmium	P0004011-02-MSD	0.2	0.194	97	75 - 125	0.
Chromium	P04011i-T8-LCS	0.5	0.498	100	85 - 115	
Chromium	P0004011-02-MS	0.5	0.478	96	75 - 125	
Chromium	P0004011-02-MSD	0.5	0.48	96	75 - 125	0.4
Lead	P04011i-T8-LCS	1	0.914	91	85 - 115	
Lead	P0004011-02-MS	1	0.846	85	75 - 125	
Lead	P0004011-02-MSD	1	0.848	85	75 - 125	0.2
Selenium	P04011i-T8-LCS	0.5	0.518	104	85 - 115	
Selenium	P0004011-02-MS	0.5	0.513	103	75 - 125	
Selenium	P0004011-02-MSD	0.5	0.488	98	75 - 125	5.

ND - Not Detected

P0004011

P0004011

EL PASO NATURAL GAS

Due 4/13/00

CHAIN OF CUSTODY RECORD

PROJECT NUMBER | PROJECT NAME

SAMPLERS: (Signature) | DATE:

CONTRACT LABORATORY: NEL-Reno

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	COMPOSITE OR GRAB	REQUESTED ANALYSIS: TCLP Metals (8) Reno	TCLP 8260 UV	TCLP 8270 Reno	Reactivity UV	Corr Reno	PCBs UV	25 Metals by 6010 Reno	REMARKS
01	4/4/00	0910	Water	MOO-0042	6	G	X	X	X	X	X			
02		0920	Soil	MOO-0043	1	C	X	X	X	X	X	X DC		
03		1025	Soil	MOO-0044	1	G	X	X	X	X	X	X		TCLP 8260, TCLP's, TCLP 8270.
04		1025	Soil	MOO-0045	1	G	X	X	X	X	X	X		Reactivity, Corr, PCB's, Hg.
05		1100	Soil	MOO-0046	1	G	X	X	X	X	X	X		Cations, pH, SC, Cl, SO4, Alkalinity
06		1130	Soil	MOO-0047	1	G	X	X	X	X	X	X		on MOO-0050 DB Cancelled per
07		1200	Soil	MOO-0048	1	G	X	X	X	X	X	X		Client. 4/6/00 DB
08		1230	Soil	MOO-0049	1	G	X	X	X	X	X	X		
09		1300	Soil	MOO-0050	1	G	X	X	X	X	X	X	X	Also: Total 8260, Total 8270, ~~Total Hg or 6010~~ Ca, K, Mg, Na, pH, SC, Cl, SO_4, CO_3, HCO_3
010		1330	Soil	MOO-0051	1	G	X	X	X	X	X	X		
11		1400	Soil	MOO-0052	1	G	X	X	X	X	X	X		Custody Seal Intact? Y N None Temp. 4°C
12	↓	1430	Soil	MOO-0053	1	G	X	X	X	X	X	X		Condition when received good

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
	4/6 930	M Lucas			
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

LABORATORY SERVICES
EL PASO NATURAL GAS COMPANY
8645 RAILROAD DRIVE
EL PASO, TEXAS 79904

915-587-3729 FAX: 915-587-3835

NORM ANALYSIS

MONUMENT PLANT - OVERFLOW CONTINGENCY TANK

SAMPLE NUMBER	SAMPLE DATE	S D CONTINUED	MATRIX	GROSS ALPHA (DPM)	RPU	GROSS BETA (DPM)	RPU	TOTAL	Pb-210 (pCi/g)	RPU	Ra-226 (pCi/g)	RPU (%)	Ra-228 (pCi/g)	RPU (%)
M00-0044	04/04/2000	BOTTOM SAMPLE - B1	Soil						<5	NA				
M00-0045	04/04/2000	BOTTOM SAMPLE - B1 DUPLICATE	Soil						<5	NA				
M00-0046	04/04/2000	BOTTOM SAMPLE - B2	Soil						<5	NA				
M00-0047	04/04/2000	BOTTOM SAMPLE - B3	Soil						<5	NA				
M00-0048	04/04/2000	BOTTOM SAMPLE - B4	Soil						<5	NA				
M[redacted]049	04/04/2000	BOTTOM SAMPLE - B5	Soil						<5	NA				
M[redacted]0050	04/04/2000	BOTTOM CORE SAMPLE AT B1 3'DEPTH	Soil						<5	NA				
M00-0051	04/04/2000	WALL SAMPLE - S1	Soil						<5	NA				
M00-0052	04/04/2000	WALL SAMPLE - S2	Soil						<5	NA				
M00-0053	04/04/2000	WALL SAMPLE - S3	Soil						<5	NA				
M00-0054	04/04/2000	WALL SAMPLE - S4	Soil						<5	NA				

EL PASO NATURAL GAS

March 10, 2000

Wayne Price
NMOCD
2040 S. Pacheco Street
Sante Fe, NM 87505

Mr. Price,

Attached is the El Paso Natural Gas Company (EPNG) Monument Compressor Station discharge approval conditions attachment, which has been signed by Mr. Thomas P. Morgan, Vice President of Operations for EPNG. Also, the $690 flat fee is attached to complete the Discharge Plan renewal for EPNG's Monument Compressor Station.

If you have any questions or comments regarding this information please do not hesitate to contact me at your leisure.

Sincerely,

Tom J. Martinez,
Senior Environmental Engineer

enclosure

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2/24/00

or cash received on _____ in the amount of $ 690.00

from El Paso Natural Gas

for Monument C.S. GW-008

(Facility Name) (DP No.)

Submitted by: [signature] Date: 3-13-00

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee ____ New Facility ____ Renewal ✓

Modification ____ Other _____

(specify)

Organization Code 521.07 Applicable FY 2000

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ____

THE FACE OF THIS DOCUMENT HAS A BLUE BACKGROUND AND MICROPRINTING. THERE IS AN ARTIFICIAL WATERMARK ON THE REVERSE SIDE

EL PASO NATURAL GAS COMPANY
P.O. Box 1492
El Paso, TX 79978

CITIBANK DELAWARE
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720
62-20/311

[redacted]

Pay Amount $690.00***

Date 02/24/2000

Void After One Year

Pay ****SIX HUNDRED NINETY AND XX / 100 US DOLLAR****

To The Order Of NMED WATER QUALITY MANAGEMENT

2040 S Pacheco
Santa Fe, NM 87505

H. Brent Austin

Authorized Signature

[redacted]

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Santa Fe, NM 87505

H. Brent Austin

Authorized Signature

[redacted]

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

February 11, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. Z 142 564 942

Tom J. Martinez
El Paso Natural Gas Company
3300 North A Street, Suite 200
Midland, Texas 79705

RE: Closure Plan for the Overflow Contingency Tank
Monument Compressor Station Discharge Plan GW-008

Dear Mr. Martinez:

The New Mexico Oil Conservation Division (NMOCD) is in receipt of El Paso Natural Gas Company's (EPNG) Closure Plan dated December 10, 1999 for the Overflow Contingency Tank for the above captioned facility. **The NMOCD hereby approves of the closure plan with the following additional conditions:**

1. EPNG shall collect one soil sample three feet below the bottom of the tank. The sample shall be analyzed for New Mexico Water Quality Control Regulation constituents. NMOCD recommends using EPA 8260 (total volatile organics), 8270 (total semi-volatile organics), total heavy metals using the ICAP scan (EPA method 6010/ICPMS) and Mercury using Cold Vapor (EPA method 7470), and General water chemistry to include calcium, potassium, magnesium, sodium, bicarbonate, carbonate, chloride, sulfate total dissolved solids (TDS), pH, and conductivity.

2. EPNG will notify the OCD Santa Fe office and the OCD District office at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and split samples. This event shall take place during NMOCD's normal working hours.

Please be advised that NMOCD approval of this work plan does not relieve EPNG of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve EPNG of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7155).

Sincerely Yours,

Wayne Price-Pet. Engr. Spec.
Environmental Bureau

cc: OCD Hobbs District Office-Spill files.

EL PASO NATURAL GAS

December 10, 1999

Wayne Price
State of New Mexico Oil Conservation Division
Environmental Bureau
2040 S. Pacheco
Sante Fe, New Mexico 87505

Subject: **Closure Plan for the Overflow Contingency Tank at El Paso Natural Gas Company's (EPNG) Monument Compressor Station**

Mr. Price,

Per our discussion at your latest inspection of Monument Compressor Station and our most recent telephone conversation, the following is the closure plan for the overflow contingency tank located at EPNG's Monument Compressor Station.

Since the overflow contingency tank is an open top tank that is mostly under ground, EPNG will bury the tank in place. Prior to burial of the tank the following samples and activities will be completed:

1. The minimal contents of the tank (blow sand, rainwater) will be sampled for hazardous characteristics. If found to be non-hazardous, the contents will be buried with the tank. If found to be hazardous, the contents will be removed and will be properly disposed.
2. Soil samples will be taken from underneath the tank at several locations and sampled for hazardous characteristics, PCBs and NORM. Samples will be taken at various locations along the walls of the tank and underneath the bottom of the tank to determine if any type of contamination exists outside the walls of the tank. If the sample results show contamination exists underneath the tank, a plan will be formulated to remediate the contamination.
3. All lines feeding into the tank will be cut and capped.
4. All pumps, other inert equipment and inert material associated with the tank will be buried in the tank.
5. Fill dirt will be used to bury the tank. The fill dirt will be compacted and capped to prevent the formation of a low area on the plant property.

EPNG Laboratory personnel will perform all sampling associated with the closure of the overflow contingency tank. All sample results will be received and evaluated prior to any actual

work beginning. The tank is constructed of carbon steel and is 38 feet in diameter and is 15 feet in height. The actual work to complete the closure of this tank will not begin until early 2000.

If you have any questions or comments regarding this issue please do not hesitate to contact me at your leisure.

Sincerely,

Tom J. Martinez
Senior Engineer
Environmental Services

OCD ENVIRONMENTAL BUREAU

SITE INSPECTION SHEET

DATE: 6/17/99 Time: 8:30 AM - 10:30 AM

Type of Facility: Refinery ☐ Gas Plant ☐ Compressor St. ☑ Brine St. ☐ OilField Service Co. ☐
Surface Waste Mgt. Facility ☐ E&P Site ☐ Crude Oil Pump Station ☐
Other ☐ _____

Discharge Plan: No ☐ Yes ☑ DP# GW-008

FACILITY NAME: EPNG - MONUMENT COMPRESSOR SZ.
PHYSICAL LOCATION: ≈ 3-4 mi SW of MONUMENT NM
Legal: QRT ___ QRT NW Sec 1 TS 20S R 36E County LEA

OWNER/OPERATOR (NAME) EL PASO NATURAL GAS
Contact Person: TOM MARTINEZ Tele:# 915-686-3226
MAILING ADDRESS: ONE PETROLEUM CENTER BLDG 2/3300 N. A STREET S 200 State TX ZIP 79705
Owner/Operator Rep's: TOM MARTINEZ / B WORLEY / KENNETH L. MORROW

OCD INSPECTORS: W PRICE & J. FORD + D. WILLIAMS

1. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.

OK

2. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.

OK

3. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.

BRINE TANK HAS NO CONTAINMENT — EPNG DOES NOT USE THIS TANK ANY MORE! THEY ARE GOING TO EMPTY TANK!

4. **Above Ground Saddle Tanks:** Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

OK

5. **Labeling:** All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.

OK

6. **Below Grade Tanks/Sumps:** All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.

WASTE WATER/OIL TANKS DO NOT HAVE SECONDARY CONTAINMENT!
EPNG HAS NOT PERFORMED ANNUAL INSPECTIONS PER DP REQUIREMENTS!

7. **Underground Process/Wastewater Lines:** All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. The permittee may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.

EPNG HAS NOT PERFORMED PRESSURE TEST WHICH IS A DP RENEWAL REQUIREMENT!

8. **Onsite/Offsite Waste Disposal and Storage Practices:** Are all wastes properly characterized and disposed of correctly? Does the facility have an EPA hazardous waste number? _____ Yes _____ No

ARE ALL WASTE CHARACTERIZED AND DISPOSED OF PROPERLY? YES ☐ NO ☑ IF NO DETAIL BELOW.

EPNG - CES&G

PLANT WASTE WATER SHOULD BE SAMPLED TO DETERMINED IF IT IS NON-HAZARDOUS -

WASTE WATER GOES THUR CLASSIFIER AND FILTERS TO RICE SWD.

9. **Class V Wells:** Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. All Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Closure of Class V wells must be in accordance with a plan approved by the Division's Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, the environment and groundwater as defined by the WQCC, and are cost effective. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

ANY CLASS V WELLS NO ☐ YES ☐ IF YES DESCRIBE BELOW! UNDETERMINED ☑

PLANT SEPTIC + OLD LAB WASTE WATER SYSTEM - EPNG TO SEND DRAWINGS!

10. **Housekeeping:** All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.

GOOD

11. **Spill Reporting:** All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the proper OCD District Office.

NONE OBSERVED

12. **Does the facility have any other potential environmental concerns/issues?**

YES - (PIC 4) OLD BELOW GRADE CONTINGENCY TANK IS A HAZARD TO WILDLIFE! 3 DEAD RABBITS, RATS & BIRD WING (POSSIBLE) FOUND IN BOTTOM OF TANK.

13. **Does the facility have any other environmental permits - i.e. SPCC, Stormwater Plan, etc.?**

—

14. **ANY WATER WELLS ON SITE ?** NO ☑ YES ☐ **IF YES, HOW IS IT BEING USED ?**

Miscellaneous Comments: ① EPNG NEEDS TO PERFORM SUMP/TANKS INSPECTIONS + UNDERGROUND PIPING TEST ② EPNG INDICATED THEY WILL REMOVE UNDERGROUND CONTINGENCY TANK & RENDER IT SAFE FOR WILDLIFE!

Number of Photos taken at this site: 4 - O:\ENVR...\PIC_CAM\PIC 00005

attachments-

	Display	Class.
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The Lovington Daily **LEADER**

The Oldest Newspaper in Lea County... ...Serving Since 1909

DRAWER 1717 LOVINGTON, NM 88260

Statement of Account For

Oil Conservation Division
2040 South Pacheco St.
Santa Fe, NM 87505

Month of February 19 99

DISPLAY ADVERTISING:

_____ inches @_____

CLASSIFIED ADVERTISING:

_____ words @_____

_____ inches @_____

OTHER CHARGES:

Legal Notice
Notice of Publication GS-008 & GW-046
Ad Ran February 2, 1999

Total	68	40
Tax	4	18
Total this month	72	58
Previous Balance		
PLEASE PAY THIS AMOUNT		

ok Wayne Price

Affidavit of ~~Publication~~

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Notice of PUblication GW-008 & GW-046

~~was published~~ was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, ~~for the full time of~~ for One(1) Day ~~consecutive weeks~~, beginning with the issue of February 2, 19 99 and ending with the issue of February 2, 19 99

And that the cost of publishing said notice is the sum of $ 72.58 which sum has been (Paid) ~~Assessed~~ as Court Costs

Joyce Clemens

Subscribed and sworn to before me this day of February 2, 19 99

Notary Public, Lea County, New Mexico

My Commission Expires June 22, XX 2002

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application(s) have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-008)- El Paso Natural Gas Company, Tom J. Martinez, (915) 686-3226, 3300 North A Street, Suite 200, Midland, Texas 79705, has submitted a discharge plan renewal application for the El Paso Natural Gas Company Monument Compressor Station located in NW/4 of Section 1, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico. Approximately 9600 gallons per day of processed wastewater with total dissolved solids concentration of 3500 mg/l is stored in steel tanks prior to transport off site for disposal in an OCD approved Class II injection well. Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of approximately 35 feet with estimated total dissolved solids concentration of approximately 500 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-046) - El Paso Natural Gas Company, Tom J. Martinez, (915) 686-3226, 3300 North A Street, Suite 200, Midland, Texas 79705, has submitted a discharge plan renewal application for the El Paso Natural Gas Company Eunice Compressor Station located in Lots 6, 11 and 14 of Section 5, Township 21 South, Range 36 East, NMPM, Lea County, New Mexico. Approximately 17,000 gallons per day of cooling tower blowdown water with total dissolved solids concentration of 1300 mg/l is stored in steel tanks prior to transport off site for disposal in an OCD approved Class II injection well. Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of approximately 35 feet with estimated total dissolved solids concentration of approximately 1,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application(s) may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan application(s), the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan(s) based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 27th day of January, 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
LORI WROTENBERY, Director

SEAL

Published in the Lovington Daily Leader February 2, 1999.

NOTICE OF PUBLICATION

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

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Notice of PUblication GW-008 & GW-046

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and ending with the issue of February 2 19 99

And that the cost of publishing said notice is the sum of $ 72.58

which sum has been (Paid) as Court Costs

Joyce Clemens

Subscribed and sworn to before me this February 2 day of 19 99

Debbie Schilling
Notary Public, Lea County, New Mexico

My Commission Expires June 22 19 2002

LEGAL NOTICE
NOTICE OF
PUBLICATION

STATE OF
NEW MEXICO
ENERGY, MINERALS
AND NATURAL
RESOURCES
DEPARTMENT
OIL CONSERVATION
DIVISION

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STATE OF
NEW MEXICO
OIL
CONSERVATION
DIVISION
LORI WROTENBERY,
Director

SEAL

Published in the Lovington Daily Leader February 2, 1999.

NOTICE OF PUBLICATION

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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(GW-046) - El Paso Natural Gas Company, Tom J. Martinez, (915) 686-3226, 3300 North A Street, Suite 200, Midland, Texas 79705, has submitted a discharge plan renewal application for the El Paso Natural Gas Company Eunice Compressor Station located in Lots 6, 11 and 14 of Section 5, Township 21 South, Range 36 East, NMPM, Lea County, New Mexico. Approximately 17,000 gallons per day of cooling tower blowdown water with total dissolved solids concentration of 1300 mg/l is stored in steel tanks prior to transport off site for disposal in an OCD approved Class II injection well. Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of approximately 35 feet with estimated total dissolved solids concentration of approximately 1,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application(s) may be viewed at the above address between 8:00 a.m and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan application(s), the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan(s) based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 27th day of January 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

LORI WROTENBERY,
Director

Legal #64798
Pub. February 1, 1999

The Santa Fe New Mexican

Since 1849. We Read You.

NM OCD
ATTN: LUPE SHERMAN
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 66775 ACCOUNT: 56689
LEGAL NO: 64798 P.O.#: 99199000357
227 LINES 1 time(s) at $ 90.85
AFFIDAVITS: 5.25
TAX: 6.01
TOTAL: 102.11

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE
I, B. Penner being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTE FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #64798 a copy of which is hereto attached was published in said newspaper 1 day(s) between 02/01/1999 and 02/01/1999 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 1 day of February, 1999 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

OK
W Price
3/26/99

/S/ Betsy Penner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this
1 day of February A.D., 1999

Notary B Mathie

Commission Expires 3-13-2001

RECEIVED
MAR 18 1999
OIL CONSERVATION DIVISION

OFFICIAL SEAL
B MATHIE
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 12/17/98,

or cash received on _____ in the amount of $ 50.00

from EPNG

for Monument C.S. GW-008
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: [signature] Date: 2/1/99

Received in ASD by: _____ Date: _____

Filing Fee X New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 99

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

THIS MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREA [redacted]

EL PASO NATURAL GAS COMPANY
P.O. Box 1492
El Paso, TX 79978

PAYABLE AT
CITIBANK DELAWARE
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

DATE 12/17/98
VOID AFTER 1 YEAR
62-20/311

PAY AMOUNT
$50.00***

PAY: ****FIFTY AND XX / 100 US DOLLAR****
TO THE ORDER OF NMED WATER QUALITY MANAGEMENT

2040 S Pacheco
Santa Fe, NM 87505

H. Brent Austin
Authorized Signature

[redacted]

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 27th day of January 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

LORI WROTENBERY, Director

P-106 675 340

MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to	
Street and No. P.O. Box 1717	
P.O., State and ZIP Code Lovington, NM 88260	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date	

PS Form 3800, June 1985

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 27th day of January 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

for LORI WROTENBERY, Director

District I- (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II- (505) 748-1283
811 S. First
Artesia, NM 88210
District III- (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV- (505) 827-7131

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Revised 12/1/95

Submit Original
Plus 1 Copies
to Santa Fe
1 Copy to appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES, GAS PLANTS, REFINERIES, COMPRESSOR, AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☐ Renewal ☐ Modification

1. Type: Monument Compressor Station - Natural Gas Transmission
2. Operator: El Paso Natural Gas Company

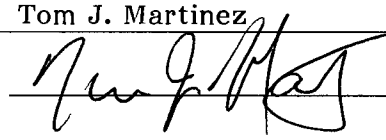
   Address: 3300 North A Street, Building #2, Suite 200, Midland, Texas 79705

   Contact Person: Tom J. Martinez Phone: (915) 686-3226
3. Location: _____/4 _____/4 Section 1 Township 20-S Range 36-E

   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
14. CERTIFICATION

I herby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Tom J. Martinez Title: Senior Compliance Engineer

Signature:  Date: December 10, 1998

EL PASO NATURAL GAS

DEC 31

December 10, 1998

Roger C. Anderson
Chief, Environmental Bureau
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Mr. Anderson,

Per our conversation, attached is the completed Discharge Plan renewal form for El Paso Natural Gas Company's Monument Compressor Station. Also enclosed is the $50.00 filing fee required for renewal.

There are no changes, revisions or deletions to the Discharge Plan (GW-008) that Monument Station is currently operating under.

If you have any questions or comments regarding this matter please feel free to contact me at your leisure. I have enclosed a business card for your files.

Sincerely,

Tom J. Martinez

Tom J. Martinez

en.

CC: Artesia District Office

IS MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BOTH TOP AND BOTTOM

EL PASO NATURAL GAS COMPANY
P.O. Box 1492
El Paso, TX 79978

PAYABLE AT
CITIBANK DELAWARE
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

DATE 12/17/98

[redacted]

VOID AFTER 1 YEAR

62-20/311

PAY AMOUNT
$50.00***

PAY: ****FIFTY AND XX / 100 US DOLLAR****
TO THE ORDER OF NMED WATER QUALITY MANAGEMENT

2040 S Pacheco
Santa Fe, NM 87505

H. Grant Austin

Authorized Signature

[redacted]

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

April 27, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-259-057

Mr. Donald R. Payne
El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978

RE: Discharge Plan GW-008 Renewal
Monument Compressor Station
Lea County, New Mexico

Dear Mr. Payne:

On October 11, 1983, the groundwater discharge plan, GW-008, for the El Paso Natural Gas Company (EPNG) Monument Compressor Station located in the NW/4 of Section 1, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). It was subsequently renewed on June 6, 1989 and December 6, 1993. This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulation 3106 and was approved pursuant to section 3109 for a period of five years. The approval will expire on October 11, 1998.

If the facility continues to have potential or actual effluent or leachate discharges and EPNG wishes to continue operations, the discharge plan must be renewed. **Pursuant to Section 3106.F., if an application for renewal is submitted at least 120 days before the discharge plan expires, then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved.** The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several weeks to months. Please indicate whether EPNG has made, or intends to make, any changes in the system, and if so, please include these modifications in the application for renewal.

The discharge plan renewal application for the Monument Compressor Station is subject to the WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $50 plus a flat fee of $690 for compressor stations. The $50 filing fee is to be submitted with the discharge plan renewal application and is nonrefundable. The flat fee for an approved discharge plan renewal may be paid in a single

payment due at the time of approval, or in equal annual installments over the duration of the discharge plan with the first payment due at the time of approval.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

Please submit the original and one copy to the OCD Santa Fe Office and one copy to the OCD Artesia District Office. **Note that the completed and signed application form must be submitted with the discharge plan renewal request.** Copies of the WQCC regulations and discharge plan application form and guidelines have been provided in the past. If EPNG requires additional copies of these items notify the OCD at (505) 827-7152. A complete copy of the regulations is also available on the OCD's website at **www.emnrd.state.nm.us/ocd/.**

If EPNG no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If EPNG has any questions, please do not hesitate to contact Mark Ashley at (505) 827-7155.

Sincerely,

for Roger C. Anderson
Environmental Bureau Chief

RCA/mwa

xc: OCD Artesia Office

P 288 259 057

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

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Street & Number	
Post Office, State, & ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
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Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, April 1995

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No [redacted] dated 12/22/93,

or cash received on 12/30/93 in the amount of $ 690.00

from El Paso Natural Gas Co.

for Monument Compressor Station (Facility Name) GW-8 (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: [signature] Date: 12/30/93

Received in ASD by: [signature] Date: 12/30/93

Filing Fee ___ New Facility ___ Renewal X

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 94

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment ___

El Paso Natural Gas Company

P.O. BOX 1492
EL PASO, TX 79978

PAYABLE AT
CITIBANK DELAWARE
A SUBSIDIARY OF CITICORP
ONE PENN'S WAY
NEW CASTLE, DE 19720

CONTROL NO.
232 CBD
62-20
311

CHECK NO. [redacted]

12/22/93
Date

PAY TO THE ORDER OF

NMED WATER QUALITY MANAGEMENT
P O BOX 2088
SANTA FE NM 87504

PAY AMOUNT
$690.00
Void After 1 Year

[signature]
Authorized Signatory

[redacted]

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

December 6, 1993

CERTIFIED MAIL
RETURN RECEIPT NO. P-111-334-287

Ms. Lori Saylor
El Paso Natural Gas Co.
One Petroleum Center/Bldg 2
3300 North "A" Street
Midland, Texas 79705

Re: Discharge Plan Renewal (GW-8)
Monument Compressor Station
Lea County, New Mexico

Dear Ms. Saylor:

The groundwater discharge plan renewal GW-8 for the El Paso Natural Gas Co. Monument Compressor Station located in the NW/4 Section 1, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico **is hereby approved** under the conditions contained in the enclosed attachment. The discharge plan consists of the renewal application dated October 11, 1993 and correspondence dated November 22, 1993 presented as a supplement to the renewal application.

The discharge plan was submitted pursuant to section 3-106 of the Water Quality Control Commission Regulations. It is approved pursuant to section 3-109.A.. Please note Section 3-109.F., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve you of your liability should your operation result in actual pollution of surface or ground waters or the environment which may be actionable under other laws and/or regulations.

Please be advised that all exposed pits, including lined pits and open top tanks (exceeding 16 feet in diameter) shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that section 3-104 of the regulations requires that "when a plan has been approved, discharges must be consistent with the terms and conditions of the plan". Pursuant to Section 3-107.C. you are required to notify the Director of any facility expansion, production increase,or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3-109.G.4., this approval is for a period of five years. This approval will expire October 11, 1998 and you should submit an application for renewal in ample time before that date.

The discharge plan application for the El Paso Natural Gas Co. Monument Compressor Station is subject to the WQCC Regulation 3-114 discharge plan fee. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus the flat rate of six-hundred ninety (690) dollars for compressor stations in excess of 3000 horsepower.

The OCD has received your $50 filing fee. The flat rate for a discharge plan may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

On behalf of the staff of the Oil Conservation Division, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,

William J. LeMay
Director

WJL/cee
Attachment

xc: OCD Hobbs Office

ATTACHMENT TO THE DISCHARGE PLAN GW-8 APPROVAL
EL PASO NATURAL GAS COMPANY
MONUMENT COMPRESSOR STATION
DISCHARGE PLAN REQUIREMENTS
(December 6, 1993)

1. Payment of Discharge Fees: The $690 flat fee (either total payment or installments) will be paid upon receipt of this approval letter.

2. Drum Storage: All drums will be stored on pad and curb type containment.

3. Sump Inspection: All pre-existing sumps will have integrity verified on an annual basis. Any new sumps or below-grade tanks will be approved by the OCD prior to installation and will incorporate leak detection in their designs.

4. Berms: All tanks that contain materials other than freshwater will be bermed to contain one and one-third (1-1/3) the capacity of the largest tank within the berm or one and one-third (1-1/3) the total capacity of all interconnected tanks.

5. Pressure testing: All discharge plan facilities are required to pressure test all underground piping at the time of discharge plan renewal. All new underground piping shall be designed and installed to allow for isolation and pressure testing at 3 psi above normal operating pressure.

6. Spills: All spills and/or leaks will be reported to the OCD district office pursuant to WQCC Rule 1-203 and OCD Rule 116.

7. Pad and Curb Type Containment: The installation of concrete floor bottoms in those berms that currently do not have impermeable flooring will be completed by July 1994 as proposed by El Paso Natural Gas Company.

El Paso
Natural Gas Company

ONE PETROLEUM CENTER/BUILDING TWO
3300 NORTH "A" STREET
MIDLAND, TEXAS 79705

OIL CONSERVATION DIVISION
RECEIVED

'93 NOV 24 AM 10 16

November 22, 1993

Mr. Chris Eustice
New Mexico Oil Conservation Division
State Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87504

Subject: Discharge Plan GW-8
Monument Compressor Station
Lea County, New Mexico

Dear Mr. Eustice:

El Paso Natural Gas Company (EPNG) has received your comments and request for additional information based on observations made during the NMOCD site inspection of Monument Station on September 28, 1993. The comments and additional information are listed per section as indicated in your letter of November 9, 1993.

1. Pad and Curb Type Containment:

Comment: The fuel (lube) oil storage tank was inside a containment wall that did not have impermeable flooring.

Response: EPNG has budgeted for 1994 the installation of concrete floor bottoms in those berms that currently do not have impermeable flooring. This project will be completed by July 1994.

2. Sumps and Below Grade Tanks:

Comment: The NMOCD requires pre-existing sumps to be inspected for leaks on an annual basis. The oil/water separator and the used oil storage tanks at Monument are below grade.

Response: EPNG is investigating two options: pressure testing or installation of monitoring wells. If pressure testing is selected, this test will be performed annually in the second quarter. It will consist of using a test medium (air or water) to pressure the vessels to 10 pounds for 30 minutes. If the installation of monitoring wells is selected, the wells will be installed by July 1994. Inspection of the monitoring wells will be done on an annual basis at a minimum.

If you have any questions or comments, please do not hesitate to contact me at 915/686-3226.

Sincerely,

Lori A. Saylor

Lori A. Saylor, Engineer
Environmental Compliance

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

November 9, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

CERTIFIED MAIL
RETURN RECEIPT NO.P-111-334-280

Ms. Lori Saylor
El Paso Natural Gas Company
One Petroleum Center/Building One
3300 N. "A" Street
Midland, Texas 79705

RE: Discharge Plan GW-8
Monument Compressor Station
Lea County, New Mexico

Dear Ms. Saylor:

The New Mexico Oil Conservation Division (OCD) has received the discharge plan renewal application dated October 11, 1993 for the above referenced facility. The following comments and request for additional information are based on OCD's review of the application and observations made during the September 28, 1993 OCD inspection of the facility.

1. Pad and Curb Type Containment:
The OCD requires that above grade tanks that contain materials with constituents that can be harmful to fresh water and the environment, if a sudden and catastrophic spill were to occur, be contained at the site of the spill and mitigated immediately. The site inspection revealed the fuel oil storage tank was inside a containment wall that did not have impermeable flooring. Propose a method and schedule to ensure that contaminants do not reach the ground and become available for leaching into the subsurface.

2. Sumps and Below Grade Tanks:
The OCD requires that all new or replaced below grade tanks (i.e. sumps) be installed with secondary containment and leak detection. All pre-existing sumps without secondary containment and leak detection are required to be visually inspected for leaks on an annual basis. Submit a method and schedule to visually inspect the waste classifier system for integrity. Please be advised that the replacement or installation of all new below grade tanks requires OCD approval prior to installation.

Submittal of the requested information and commitments in a timely fashion will expedite the final review of the application and approval of the discharge plan renewal.

If you have any questions, please contact me at (505) 827-5824.

Sincerely,

Chris Eustice
Geologist

xc: Hobbs OCD Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Ecological Services
Suite D, 3530 Pan American Highway, NE
Albuquerque, New Mexico 87107

October 5, 1993

Permit #GW93031

Mr. William J. Lemay
Director, State of New Mexico
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Dear Mr. Lemay:

This responds to the notice of publication received by the U.S. Fish and Wildlife Service (Service) on September 15, 1993, regarding the Oil Conservation Division (OCD) discharge plan applications submitted by El Paso Natural Gas Company on fish, shellfish, and wildlife resources in New Mexico.

The Service has the following comments on the issuance of the following discharge permits.

> (GW-8) - El Paso Natural Gas Company, Monument Gas Plant located in the NW/4, Section 1, Township 20 South, Range 36 East, Lea County, New Mexico. Approximately 9,600 gallons per day of process waste water will be collected and stored in steel tanks prior to disposal at an OCD approved offsite Class II injection well.
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> (GW-46) - El Paso Natural Gas Company, Eunice Gas Plant located in the NW/4, Section 5, Township 21 South, Range 36 East, Lea County, New Mexico. Approximately 17,000 gallons per day of cooling tower blowdown water will be collected and stored in steel tanks prior to disposal at an OCD approved offsite Class II injection well.

The steel tanks capacities should be able to contain all the water produced during periods of inclement weather when it is not possible to drain the tank on a regular schedule. The tanks should also exhibit strong corrosion resistance to those fluids the tank will store. The tanks should be exposed entirely to visually detect leaks. If leaks are detected surface soil monitoring and runoff prevention measures should be implemented. The permit requests also did not disclose whether the tanks were completely closed. If the top is open, the tank should be netted so as to not present a potential threat to endangered species or to migratory birds that may be found in the area.

If you have any questions concerning our comments, please contact Mary Orms at (505) 883-7877.

Sincerely,

for Jennifer Fowler-Propst
State Supervisor

cc:
Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico
Regional Administrator, U.S. Environmental Protection Agency, Dallas, Texas